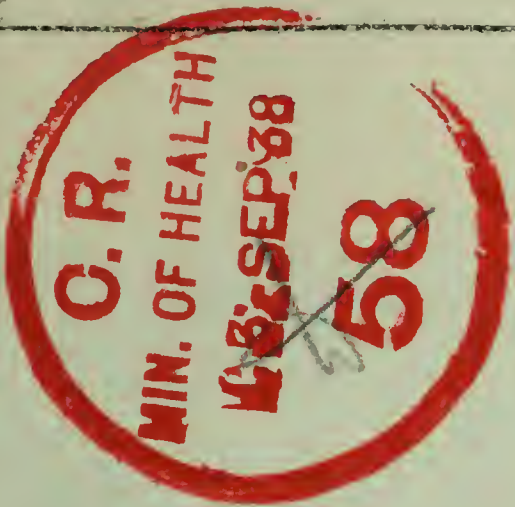


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County Borough of Tynemouth

FIFTY-SEVENTH

ANNUAL REPORT

of the

Medical Officer of Health.

1937.

North Shields;

Printed by J. RUTHERFORD & CO., 19 & 20, Stephenson Street.



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PUBLIC HEALTH DEPARTMENT,
TYNEMOUTH,

JUNE, 1938.

*To The Mayor, Aldermen and Councillors
of the County Borough of Tynemouth.*

YOUR WORSHIP, LADIES AND GENTLEMEN,

I have the honour to submit my Annual Report on the Health and Sanitary conditions of the Borough for the year 1937.

The report has been drawn up, as in the past, in accordance with the requirements of the Minister of Health.

During the year under review, the Midwives Act, 1936, was introduced. This Act made it obligatory for the Local Authority to establish a Municipal Midwifery Service. Eight Midwives were appointed to carry out the work involved, and so far the scheme has worked satisfactorily.

A Municipal Ante-Natal Clinic, under the supervision of the Maternity and Child Welfare Officer, was established at the Health Department of the Corporation, to work in harmony with the newly introduced Midwifery Scheme. The attendances at this Clinic have been extremely satisfactory.

The attendances at the Child Welfare Clinic, and the number of visits paid by Health Visitors in connection with this work, have shown a tendency to increase.

Further progress was made during the year under the Housing Acts, representations having been made in relation to several Clearance Areas. Corresponding progress was made in the building programme of the Council, 222 houses having been erected during the year. This brings the total of houses erected under the Housing Acts 1930-36 to 1,429.

Overcrowding has not been dealt with per se, but considerable alleviation has been effected by the operation of the exchange system.

The number of notifications of Infectious Disease received showed an increase on that of the previous year. This was in a large measure accounted for in the increased incidence of both Diphtheria and Scarlatina. It is hoped that a scheme for immunisation of the child population of the Borough against Diphtheria shall be envolved in the near future.

In conclusion, I should like to express my indebtedness to all the members of the staff of the Health Department for the efficiency and enthusiasm with which they have carried out their duties. In addition, I also desire to thank the Chairman and Members of the Health Committee for their valuable co-operation and keen interest which they have taken in the work of the Department.

I have the honour to remain,

Your obedient Servant,

R. H. DAWSON,

Medical Officer of Health.

County Borough of Tynemouth PUBLIC HEALTH COMMITTEE.

Chairman—ALD. J. HARRISON, M.D., D.P.H., J.P.

Vice-Chairman—COUNCILLOR SPENCE, JR.

THE MAYOR—COUNCILLOR ARTHUR NORMAN PARK

ALDERMAN	HARRISON, J.P.	COUNCILLOR	HUNTER.
„	PORTER, J.P.	„	JACKSON, J.P.
COUNCILLOR	BARBER.	„	LITTLE.
„	MRS. BARBER.	„	MIDDLEMISS, J.P.
„	BOWER.	„	MURRAY.
„	MRS. BRODIE.	„	J. W. G. SPENCE.
„	BURNETT.	„	J. W. SPENCE.
„	CHAMBERS.	„	THEWLIS.
„	MRS. FRATER, J.P.		

STAFF.

PUBLIC HEALTH DEPARTMENT.

Medical Officer of Health, Administrative Tuberculosis Officer, Chief Medical Officer to the Education Authority, and Chief Medical Adviser to the Local Authority, Medical Superintendent Infectious Diseases and Smallpox Hospitals.

R. H. DAWSON, M.B., Ch.B., D.P.H. (Edinburgh).

Assistant Medical Officer of Health and Assistant Tuberculosis Officer.

A. D. STEWART, M.B., (St. And), D.P.H. Commenced 8/3/37.

Senior Sanitary Inspector, Inspector under the Housing Acts, Food and Drugs Acts, Etc.

C. A. MURRAY, Cert. S.I.B., Cert. Meat Inspection.

Sanitary Inspectors.

ED. E. MILBURN, Cert. R.S.I.

S. G. EDWARDS, Cert. R.I.S., Resigned 29/5/37.

J. E. HALL, Cert. R.S.I., Cert. Meat Inspection.

F. G. V. RUMSEY, Cert. S.I.B., Comenced 5/7/37.

G. G. STANLEY, Cert. S.I.B. (Temporary), Resigned 3/4/37.

S. HOLLIDAY, Cert. S.I.B. (Temporary), Commenced 12/7/37.

Disinfectors.

HENRY HODGSON.

Tuberculosis Nurses.

Miss MILLS†, Resigned 20/3/37.

Miss IRVING†§*. Miss HESLOP§†*†.

†Holds Health Visitor's Certificate.

Health Visitors and

Inspectors under the Midwives Acts.

Misses SHAW§†, FRAZER§††*,

MARSHALL§†*† and PERCY§††*.

§Holds S.C.M. †Trained Nurse.

*State Registered Nurse.

Clerks.

ALBERT R. FORSYTH, Chief Clerk; WM. R. MILLER, Clerk,
FRED G. V. RUMSEY, Clerk, Transferred to Sanitary Dept. 5/7/37.

G. G. ELLIS, Clerk; MISS M. GOTT, Typist.

BASIL O. BLAGBURN, Clerk.

JOHN L. DIX, Junior Clerk, Resigned 26/6/37.

E. MCNEIL, Junior Clerk, Commenced, 9/8/37.

A. E. MARSDEN, Messenger, Commenced 19/7/37, Transferred to
Town Clerk's Dept. 20/10/37.

A. LOGAN, Messenger, Commenced 5/11/37.

**Matron of Moor Park Infectious Diseases Hospital and
Balkwell Smallpox Hospital.**

Miss K. ROBINSON, S.R.N.

MATERNITY AND CHILD WELFARE DEPARTMENT

**Medical Officer, Maternity and Child Welfare Centre, and Municipal
Ante-Natal Clinic, Health Department, Preston Road, North Shields.**

MARY E. MINIHAN, M.B., Ch.B.

Municipal Midwives.

M. BAIRD, §

D. BRAND, *§

E. FANTHORPE, §

M. HALL, *§

M. H. KANE, §

M. L. LUKE, §

E. MOONEY, §

G. SMILES, §

(Appointed 1st August, 1937).

*S.R.N. §S.C.M.

Matron, Frater Maternity Home.

MISS C. CORNEY, S.R.N., S.C.M. (Part-Time).

**Consultants under the Puerperal Fever and Puerperal Pyrexia
Regulations.**

PROF. RANKEN LYLE, M.D. (Dublin), B.Ch., B.A.O., B.A., M.D. (Durham),
L.R.C.P.

HARVEY EVERS, M.S. (Durham), B.S., F.R.C.S., L.R.C.P.

E. FARQUHAR MURRAY, M.D. (St. And.), Ch.B., F.R.C.S.

F. STABLER, M.D. (Durham), B.S., F.R.C.S.

W. HUNTER, M.B., B.S., (Durham).

HONORARY MEDICAL OFFICERS--

Anti-Natal Clinic, Tynemouth Victoria Jubilee Infirmary,

Hawkey's Lane, North Shields.

H. ADAMS, M.A., M.B., Ch.B.

E. BOLT, M.B., B.S.

E. GOFTON, M.B., B.S., M.R.C.S.,
L.R.C.P.

W. GRAHAM, M.B., B.S.

B. H. GREENSILL, M.R.C.S., L.R.C.P.

J. K. HUNTER, L.R.C.P. & S.,
L.R.F.P.S.

D. MARTIN, M.B., Ch.B., D.P.H.,
D.T.M. and Hy.

W. C. MURRAY, M.B., B.S.

T. J. PHILLIPS, M.B., B.S.

R. J. WEIDNER, M.B., B.S.

(Discontinued as Municipal Clinic from 1st August, 1937).

SCHOOL MEDICAL DEPARTMENT.

School Medical Officer.

J. MCCONNELL, M.B., M.R.C.S., D.P.H.

Assistant School Medical Officer—W. WALKER, M.C., M.D.

School Dentist.

R. C. STANGER, L.D.S.

School Nurses.

Misses KYLES, MARCH*§†, MYERS*§†.

*S.R.N. §C.S.M. †Trained Nurse

PUBLIC ASSISTANCE DEPARTMENT,

(MEDICAL STAFF).

Medical Officer—Preston Hospital.

J. B. WILLIAMSON, M.B., B.S. (Durham).

Assistant Medical Officer—Preston Hospital.

MARY E. MINIHAN, M.B., Ch.B. (Transferred to M.C.W. 1/7/37).

F. S. M. FRASER, M.B., Ch.B., (Appointed 1/9/37).

M. L. OSBOURNE, M.B., B.S., (Appointed 1/4/37).

Visiting Surgeon.

E. GOFTON, M.B., B.S., L.R.C.P. (London), M.R.C.S. (Eng.).

Dentist.

S. GRANT MACKAY, L.D.S.

District Medical Officers.

Tynemouth District—P. HOLGATE, M.B., B.S. (Durham).

North Shields District—W. YEATES. L.R.C.P. & S. (Edin.).

Superintendent Nurse.

L. M. JONES, S.R.N., S.C.M.

Assistant Superintendent Nurse.

E. ALLEN, S.R.N., S.C.M.

FOOD AND DRUGS.

Public Analysts.

J. T. DUNN, D.Sc., F.I.C. H. C. L. BLOXHAM, F.I.C.

Veterinary Surgeon.

T. HARPER, M.R.C.V.S.

Public Vaccinators.

Tynemouth District—P. HOLGATE, M.B., B.S. (Durham).

North Shields District—R. J. WEIDNER, M.B., B.S. (Durham).

Preston Hospital—J. B. WILLIAMSON, M.B., B.S. (Durham).

Vaccination Officer.

DR. R. H. DAWSON (M.O.H.).

Infant Life Protection Visitor.

MISS M. CRAMMAN.

Statistics and Social Conditions of the Area.

STATISTICAL AND SOCIAL CONDITIONS OF THE AREA.

Area (in acres) 4,604. (Exclusive of 80 acres covered by inland water).

Population (Census 1931) 64,922; and estimated, 1937, 66,880.

Total dwellings occupied and vacant: 13,635 (1931 Census).

Number of Private Families therein: 16,079 (1931 Census).

Number of families or separate occupiers: 18,528.

Average Number of Persons per family: 3.86 (1931 Census).

Rateable value: £378,565.

Sum represented by a penny rate: £1,504.

EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

Number of Marriages during 1937: 532.

Live Births—

	Total	M.	F.			
Legitimate ...	1043	564	523	Birth Rate ...	16.25	
Illegitimate ...	44					
Stillbirths	43 (R.G.)	22	21	Rate per 1,000		
				live births ...	39.56	
Deaths ...	858	484	374	Death rate ...	12.83	
Percentage of deaths in Public Institutions					35.8	
Natural Increase in population (excess of births over deaths)					229	
Number of women dying in, or in consequence of pregnancy or childbirth—						
From Sepsis ...	...	...	...	...	1	
From other causes ...	...	...	...	...	1	
Death rate of Infants under one year per 1,000 live births					66	
Legitimate: 64; Illegitimate: 113.						

Deaths from Cancer (all ages)	...	...	...	...	103
Deaths from Measles (all ages)	...	...	...	...	4
Deaths from Whooping Cough (all ages)	...	...	...	...	4
Deaths from Diarrhoea (under 2 years)	...	...	...	...	11
Amount expended in out-relief, 1937: £41,506 0s. 6d.					
Average Daily Number in the Poor Law Institution					
(excluding Hospital)	...	...	...	...	311.5
Average Daily Number in Children's Homes	...	...	...	...	70

POPULATION.

The Census was taken on the 27th April, 1931, and the population of the Borough on that date was 64,922.

The mid-year 1937 population, as estimated by the Registrar General, was 66,880.

DISTRIBUTION AND DENSITY OF POPULATION.—CENSUS 1931.

WARD.	Census Population 1931.	Area in Acres. Census 1931.	Persons to the Acre. Census 1931.
Central	4737	40	118.4
Collingwood	10869	2370	4.6
Dockwray	7000	83	84.3
Linskill	9258	309	30.0
Milbourn	5224	120	43.5
Percy	8041	752	10.7
Preston	7928	570	13.9
Rudyerd	5122	42	122.0
Trinity	6743	81	83.2
County Borough of Tynemouth	64922	4367	14.9

The disproportion in the population resident in the various wards of the Borough which were reported upon in the Annual Report for the year 1935 still obtains, and shall continue to exist until such time as a revision of the ward boundaries is carried out.

DISTRIBUTION AND DENSITY OF POPULATION, 1937.

WARD.	Population estimated to 30th June, 1937.	Area in Acres.	Persons to the Acre.
Central	3787	40	94.6
Collingwood	18925	2539	7.4
Dockwray	5624	83	67.7
Linskill	9419	309	30.5
Milbourn	3359	120	27.9
Percy	8128	764	10.6
Preston	7860	626	12.5
Rudyard	3178	42	75.7
Trinity	6600	81	81.5
County Borough of Tynemouth	66880	*4604	14.5

*Exclusive of 80 acres in Collingwood Ward, which is covered by water.
(Docks etc.)

BIRTHS.

The nett total births assignable to Tynemouth were 1,087 giving an annual birth rate of 16.25 per 1,000 of the population and shows a decrease on that of last year.

The birth rate for England and Wales for 1937 was 14.9 per 1,000 of the population.

The transferable births were:—				Inward	Outward
Total Births.				Transfers	Transfers
Males	...	...	...	37	50
Females	...	...	...	23	45
Illegitimate (Included in above totals):					
Males	...	...	...	3	6
Females	...	...	...	1	5

BIRTHS AND BIRTH RATES IN WARDS.

WARD.	BIRTHS.	Birth rate per 1,000 of Population	No. of illegitimate births.	Percentage of illegitimate births to total births.
Central	70	18.5	3	4.28
Collingwood	371	19.6	6	1.62
Dockwray	91	16.2	3	3.30
Linskill	93	9.9	7	7.53
Milbourn	64	19.0	5	7.81
Percy	90	11.1	4	4.44
Preston	105	13.4	8	7.62
Rudyard	53	16.7	1	1.88
Trinity	90	13.7	3	3.30
Inward Transfers ...	60	—	4	—
County Borough of Tynemouth ...	1087	16.25	44	4.06
Mean of Ten Years— 1927—1936 ...	1230	18.60	49	4.01

DEATHS.

The total number of deaths recorded in the Borough was 1,135, but 323 of these were non-resident. 46 deaths of residents also occurred outside the Borough. The **nett deaths** were, therefore 858, which is equal to a **death rate** of 12.83 per 1,000 of the population. The rates for England and Wales, and the Great Towns were 12.4 and 12.5 respectively.

The number of deaths of persons belonging to Tynemouth which occurred in Public Institutions during the year, was:—

Tynemouth Poor Law Institution, 214; Tynemouth Victoria Jubilee Infirmary, 44; Moor Park Isolation Hospital, 12; Royal Victoria Infirmary, Newcastle, 12; other Institutions outside the Borough (including 10 deaths in Morpeth Asylum) 25. This makes a total of 307, which is 35.7 per cent. of all deaths of residents during the year.

DEATHS AND DEATH RATES IN WARDS.

WARD.	Total Deaths.	Death rate per 1,000 of population.
Central	52	13.7
Collingwood	233	12.3
Dockwray	62	11.0
Linskill	104	11.0
Milbourn	50	14.9
Percy	108	13.3
Preston	120	15.3
Rudyard	47	14.8
Trinity	82	12.4
County Borough of Tynemouth	858	12.83
Mean of 10 years—1927—1936	822	12.43

The Area Comparability Factor for adjusting the local death rates of 1931 and subsequent years was 1.10; by which figure the crude death rate for the Borough should be multiplied in order to make it comparable from a mortality point of view, with the crude death rate of the country as a whole, or with any other local area, the crude death rate of which should be similarly modified with its own factor for the purpose. The factor for 1937 is 1.11.

The deaths occurring in each quarter during the last five years were as follows:—

Period	1933	1934	1935	1936	1937	Death rate per 1,000 during 1937.
First Quarter ...	279	238	230	224	264	15.78
Second Quarter ...	199	228	229	178	222	13.28
Third Quarter ...	182	187	184	150	156	9.33
Fourth Quarter ...	213	187	181	221	216	12.92

PRINCIPAL CERTIFIABLE CAUSES OF DEATH.

TABLE TO SHOW PRINCIPLE CERTIFIABLE CAUSES OF DEATH IN THE AREA DURING THE YEAR 1937.

	No. of Deaths.	Proportion of Deaths per 1,000 Deaths from all causes.
Disease of Circulatory System—		
Diseases of the heart ...	190	221.4
Cerebral Haemorrhage, etc.	57	66.4
Other Circulatory Diseases	46	53.6
Respiratory Diseases—		
Pneumonia	55	64.1
Influenzal Pneumonia ...	27	31.5
Bronchitis	58	67.6
Other Respiratory Diseases	10	11.6
Tuberculosis—		
Tuberculosis (all forms) ...	65	75.8
Cancer and Malignant Diseases—		
Cancer and Malignant diseases	103	120.0
Deaths from all causes ...	858	

INFANTILE MORTALITY.

There were 72 deaths of children under one year of age, which gives an Infantile Mortality Rate of 66 to every 1,000 live births.

The infantile mortality rates for England and Wales, and for the Great Towns were 58 and 62 respectively.

During 1937 there were 24 deaths from Measles and Respiratory diseases among infants; in 1936 there were 20, and in 1935, 19.

CHILD MORTALITY.

There were 26 deaths of children between the ages of 1 to 5 years. The principal causes of death were as follows:—

Pneumonia (6), Measles (2), Diphtheria (3) and Bronchitis (2).

NEO-NATAL MORTALITY.

The neo-natal mortality, i.e., the death rate under **1 month** of age per 1,000 births, was 19.3 compared with 24.7 in 1936, 31.6 in 1935; 34.0 in 1934; 34.5 in 1933.

MARRIAGES.

I am indebted to the Superintendent Registrar, (Mr. George Brown) for the following particulars:—

The number of marriages which took place within the County Borough of Tynemouth, during the year ended 31st December, 1937, was 532 made up as follows:—

Church of England	...	...	...	...	320
Roman Catholic Church	...	...	...	...	47
Registry Office	...	...	...	...	95
Non-Conformist	...	...	...	...	68
Scandinavian Lutheran	...	...	...	...	2
					532

CHIEF OCCUPATIONS OF INHABITANTS (1931 Census Return)

The chief occupation of the inhabitants is set out below:—

Workers in Transport and Communication	...	...	...	4,363
Metal Workers (including fitters and engineers)	...	...	...	3,009
Commercial Finance, Insurance	...	...	...	3,752
Institution, Personal Service (including domestics)	...	...	...	3,358
Undefined Workers (General Labourers, etc.)	..	...	...	3,584
Mining and Quarrying	...	...	...	964
Clerks, Draughtsmen, etc.	...	...	...	1,849
Fishermen	...	...	...	975
Workers in wood and furniture	...	...	...	925
Bricklayers, Builders, etc.	...	...	...	961
Professional (doctors, ministers, lawyers, teachers, etc.)	...	...	...	961
Total occupied, 14 years and over	...	...	...	28,057
Total unoccupied and retired, 14 years and over	...	...	...	19,932

UNEMPLOYMENT.

The following tables, for which I am indebted to the Manager of North Shields Labour Exchange, to Mr. S. Oldroyd, Secretary Juvenile Employment Bureau, and to Mr. G. Brown, Public Assistance Officer, Tynemouth, shows to some extent the amount of unemployment in the area during the past 5 years.

INFORMATION WITH REGARD TO PERSONS IN RECEIPT OF RELIEF.

	1933	1934	1935	1936	1937
Number of persons receiving out-relief	1,749	2,450	2,500	2,472	2,830
Average weekly number of persons receiving in-door relief	425	397	401	382	324
Total number of persons receiving in-door relief ...	1,635	1,585	1,601	1,604	1,618

The amount expended in out-door relief in the County Borough of Tynemouth, during 1937 was £41,506 0s. 6d.

Statement showing the Number of Persons Registered as Unemployed at the North Shields Employment Exchange on the Last Monday in March, each year.

	1933	1934	1935	1936	1937
Total Live Register ...	6,654	5,811	6,126	5,663	4,628
Temporary Stoppage Claims included in Total ...	1,597	1,203	176	190	345

Average Monthly Figures of Unemployed Juveniles between the ages of 14—18 years, during the years commencing August, 1932 to July, 1937, inclusive.

1932—1933	1933—1934	1934—1935	1935—1936	1936—1937
379	378	550	512	349

General Provision of Health Services.

MEDICAL PRACTITIONERS.

There are 25 doctors resident in the County Borough of Tynemouth who are engaged in private practice.

NATIONAL HEALTH INSURANCE.

I am indebted to Mr. Elias Lambie, Clerk to the Tynemouth Insurance Committee, for the following particulars:—

Average number of insured persons in the County Borough of Tynemouth during the year 1937 ...	25,485
Total number of prescriptions dispensed from December 1st, 1936, to November 30th, 1937	113,135
Average cost per prescription	8.6 pence
Average cost per insured person	40 pence

PUBLIC MEDICAL SERVICE.

A contributory scheme is in operation in the Borough for the provision of medical services for uninsured persons under the National Health Insurance Scheme. The total number of subscribers is 3,829 persons, living in 1,708 families.

NURSING IN THE HOME.

Full particulars of this Service which remains unaltered were included in my Report for 1930. During the year 1937, 537 visits were made by the nurses engaged in this work.

MIDWIVES.

There were 26 midwives practising in the Borough at the end of the year.

The following is the revised list of persons certified as midwives resident or practising within the Borough.

NAME.	ADDRESS.	No. of Certificate.
1. Laidler, Violet M.	... 66, Stephenson St., North Shields	... 18873
2. Kane, Mary H.	... 11, Hylton Terrace, North Shields	... 59933
3. Hall, Margaret	... 17, Chirton Avenue, North Shields	... 57867
4. Wight, Elizabeth	... 3, Waterford Crescent, Whitley Bay	... 63300
5. Hyslop, Mary	... Frater Maternity Home, North Shields	69598
6. Simpson, Priscilla	... 147, Cauldwell Lane, Monkseaton	... 67025
7. Smiles, Georgina	... 39, Burdon Street, Percy Main	... 67928
8. Carter, Henrietta	... 24, Queen Alexandra Road West, North Shields	... 49124
9. Robertson, Ivy M.	... Maternity Hospital, Willington Quay	... 42233
10. Fanthorpe, Ethel	... 2, Wallsend Road, North Shields	... 45664
11. Luke,, May L.	... 56, Belford Terrace, North Shields	... 66397
12. Mooney, Emily	... 23, Hawkeys Lane, North Shields	... 79036
13. McLeod, Ethel	... Training Centre, Willington Quay	... 78385
14. Corney, Catherine	... Tynemouth Victoria Jubilee Infirmary, North Shields	... 52258
15. Straughan, Jane C.	... Tynemouth Victoria Jubilee Infirmary	80530
16. Smith, Margaret	... Nurses Home, Shiremoor	... 35521
17. Irving, Elizabeth	... Frater Maternity Home, North Shields	61903
18. Baird, Margaret	... 9, Frater Terrace, East Howdon	... 70363
19. Troup, Gladys E.	... Tynemouth Victoria Jubilee Infirmary, North Shields	... 81975
20. Hinson, Sarah	... Tynemouth Victoria Jubilee Infirmary, North Shields	... 55860
21. Lambert, E.	... Nurses Home, Shiremoor	... 36651
22. Burnett, Olive	... Frater Maternity Home, North Shields	94296
23. Gates, Isabella	... Frater Maternity Home, North Shields	99156
24. Richardson, Sarah B.	... 33, Grosvenor Place, North Shields	... 77250
25. Brand, Dorothy	... 6, Delaval Avenue	... 85797
26. Smith, Mary E.	... 28, Park Crescent	... 60107

SUPERVISION OF MIDWIVES.

The supervision is carried out by the Maternity and Child Welfare Medical Officer. During the year 34 visits were paid by midwives to the Maternity and Child Welfare Centre for inspection of their bags and records, etc.

POOR LAW MEDICAL OUT-RELIEF.

Districts.	Wards.	Population (1931 Census)	Number of Medical Out- relief-calls during 1937.
Tynemouth—			
Central ...	...	29,036	1,975
Dockwray ...	...		
Linskill ...	...		
Percy ...	...		
North Shields—			
Collingwood ...	...	35,886	2,804
Milbourn ...	...		
Preston ...	...		
Rudyerd ...	...		
Trinity ...	...		
Total	...	64,922	4,779

This service is now carried out on lines similar to National Health Insurance.

LABORATORY FACILITIES.

During the year there has been no change in the provision of laboratory facilities which were described in the Annual Report for 1930. The following table shows the number, nature and results of examination of the specimens examined in the Tyne-mouth Laboratory since 1932.

YEAR.	Diphtheria.		Phthisis.		Typhoid Fever.		Strepto- coccus.		Miscellan- eous	Totals
	+	—	+	—	+	—	+	—		
1933	55	396	45	227	1	8	14	302	45	1093
1934	121	816	38	185	—	4	11	423	23	1621
1935	190	1233	43	199	—	—	48	893	25	2131
1936	88	591	42	206	1	3	54	276	86	1347
1937	168	1333	38	233	9	58	21	150	193	2203

Hospitals in the County Borough of Tynemouth.

Name.	Situation.	Purpose.	Beds available.	Proportion of beds used by inhabitants of Tynemouth and inhabitants of other districts.	Management.	Medical Staff.	Nursing Staff.	REMARKS.
Tynemouth Victoria Jubilee Infirmary	Hawkey's Lane, North Shields.	General Medical & Surgical cases, Maternity cases, Children, Ear, Nose, & Throat treated. Out-patients massage. Hydro-Electric Therapeutic.	80	Tynemouth 70% Wallsend 4% Whitley Bay 20% Others 6%	Voluntary Committee	Honorary Physicians and Surgeons* ... 8 Hon. Surgeon to Ear, Nose & Throat Department* ... 2 Hon. Radiologist* ... 1 Hon. Pathologist* ... 1 Hon. Anaesthetist* ... 1 Hon. Dentist* ... 1 House Surgeons ... 2	Matron ... 1 Sisters and Nurses 28	Provides certain services by arrangement for the local authority; such as Ear, Nose and Throat treatment for children; treatment of complicated Maternity cases, Puerperal Fever and Puerperal Pyrexia; Orthopaedic Surgery for Children; X-ray examination of children. Future structural & service extensions are possible, when the financial position permits.
Preston Hospital	Preston Road, North Shields.	A "mixed" Institution, administered under the Poor Law Act. Hospital beds available for all general diseases, Tuberculosis and certain infectious diseases, Maternity cases, sick children, and Chronic sick.	438.	Northumberland County Council, 44% approximately. Tynemouth Corporation, 56% approximately.	Public Assistance Committee Tynemouth Corporation.	Medical Officer ... 1 Senior Asst. M.O. ... 1 Junior Asst. M.O. ... 1 Consultant Surgeon* ... 1 Dental Officer* ... 1 (One part time Medical Officer shared with Health Department). (Terminated 1/7/37).	Supt. Nurse 1 Home Sister 1 Sister Tutor 1 Sisters ... 9 Nurses 11 Probationer Nurses 45 Total ... 68	The Hospital has not been appropriated under the local Government Act 1929. See Annual Reports 1930 and 1931.
Moor Park Hospital	Billy Mill, North Shields.	Isolation and treatment of Scarlet fever, Diphtheria, Typhoid fever, and Tuberculosis cases.	68	Tynemouth County Borough, 100%	Health Committee Tynemouth Corporation.	Medical Officer of Health Asst. " " "	Matron ... 1 Sisters ... 2 Nurses ... 12	The buildings which consist of old temporary buildings, erected in 1902, during a Smallpox epidemic have been partially modernised. A new Administration Block was opened on 5th November, 1935.
Balkwell Hospital	Balkwell, North Shields.	Isolation & treatment of Smallpox cases.	20	Tynemouth County Borough, 100%	Health Committee Tynemouth Corporation.	Medical Officer of Health Asst. " " "	Engaged as and when required. Matron of Moor Park Hospital is also Matron of Balkwell Hospital.	Opened, 1924.
Frater Home	Hawkey's Lane, North Shields.	Uncomplicated Maternity cases.	6 (and two labour beds).	Tynemouth County Borough, 94% Other Areas 6%	Health Committee Tynemouth Corporation.	General Practitioners attend their own patients in the Home.	Matron† ... 1 Sister ... 1 Nurses ... 2	Opened, 1920. Administered in co-operation with the Tynemouth Victoria Jubilee Infirmary. One Matron acting for both Institutions

*Part Time. †Also Matron of Tynemouth Victoria Jubilee Infirmary.

Hospitals in the Vicinity of Tynemouth.

Name.	Situation.	Purpose Treatment for.	Beds available.	Proportion of beds used by inhabitants of Tynemouth	Management.	Medical Staff.	Nursing Staff.	Remarks.
Royal Victoria Infirmary.	Newcastle-upon-Tyne.	Medical. Surgical. Children. "Specials," Etc.	699 and 86 pay-beds	Under 1 per cent.	Voluntary Committee	*Hon. Consulting Physicians ... 4 *Hon. Consulting Physicians to Special Departments ... 3 Honorary Physicians ... 8 Honorary Physicians to Special Departments ... 4 *Hon. Consulting Surgeons ... 7 *Hon. Consulting Surgeons to Special Departments ... 3 Honorary Surgeons ... 12 Honorary Surgeons to Special Departments ... 9 Resident Medical Officer... 1 Deputy Resident Medical Officer ... 1 Resident Physicians ... 6 Resident Surgeons ... 15 Resident Anaesthetists ... 2	Average Nursing Staff, 1937 255.8	Medical Beds ... 188 Surgical Beds ... 286 Ear, Nose and Throat Beds ... 38 Gynaecological Beds ... 30 Skin Diseases Beds 24 Convalescent Home Beds ... 75 Orthopaedic Beds 50 Pay Beds ... 86 Emergency Beds (Nurses) ... 8 Total Beds ... 785
Newcastle General Hospital.	Newcastle-upon-Tyne.	General Medical & Surgical, Children, Chronic Sick, etc.	786	Nil.	Health Committee Newcastle-upon-Tyne Corporation.	Medical Superintendent... 1 Deputy Medical Supt. ... 1 House Physicians and Surgeons ... 6 Medical Registrars (part-time) ... 2 Surgical Registrars (part-time) ... 2 Visiting Staff (part-time) 15	187	Medical Beds ... 188 Surgical Beds ... 221 Children's Beds ... 79 Maternity Beds ... 31 Venereal Diseases Beds ... 6 Tuberculosis Beds 41 Chronic Sick Beds 74 Mental Observation Beds ... 25 Isolation ... 51 Mothers & Babies (Highfield) ... 45 Convalescent Home Whitton Tower ... 25 X-ray, Skin, Massage, Ophthalmic & Pathological Departments.
Wallsend General Hospital.	Wallsend-on-Tyne.	Medical. Surgical. Maternity.	6 6 8	Nil.	Voluntary Committee	Consultants and Local Practitioners.	Matron ... 1 Sister ... 1 Staff Nurses 2 Probationers 2 Asst. Nurse 1	Medical Beds ... 6 Surgical Beds ... 6 Maternity Beds ... 8 No special departments. Modified Surgical service.
Hospital for Sick Children, Newcastle-upon-Tyne (Fleming Memorial).	Newcastle-upon-Tyne.	Children.	88	Under 1 per cent.	Voluntary Committee	Consultant Physicians ... 7 Consulting Surgeons ... 7 Consultants in Special Departments ... 10 House Physicians ... 1 House Surgeons ... 2	Matron ... 1 Sisters ... 7 Staff Nurse 1 Probationers 26 Resident Masseuse 1	DEPARTMENTS -- X-ray, Dental, Ophthalmic, Skin, Massage, Ear, Nose and Throat, Pathological. Ultra Violet Ray and Electrical Treatment. Complete Surgical service. Proposals for extension under consideration.
Princess Mary Maternity Hospital.	Newcastle-upon-Tyne.	Maternity.	88	under 1 per cent.	Voluntary Committee	Hon. Obstetric Physicians 3 Asst. Hon. Obstetric Physicians ... 2 Hon. Surgeon ... 1 Hon. Ophthalmic Surgeon 1 Hon. Bacteriologist ... 1 Hon. Pathologist ... 1 Hon. Pediatrician ... 1	Matron ... 1 Asst. Matron ... 1 Sister Tutor 1 Sisters ... 7 Staff Nurses 8 Probationers 50 Willington Quay part time ... 8 Students ... 48	New Hospital under consideration. In-patients, 1937, 2,629. Out-patients, 1937, 807.
Maternity Hospital.	Willington Quay.	Maternity.	14	10 per cent.	Voluntary Committee	Hon. Surgeon ... 1 Hon. Physician ... 1 Hon. Obstetrician ... 1	6	
The W. J. Sanderson Orthopaedic Hospital School for Children	Gosforth, Newcastle-upon-Tyne.	Orthopaedic. Hospital. School.	134	Varied	Voluntary Committee	Medical Officer ... 1 Consultants ... 5 Orthopaedic Surgeons ... 2 Other Surgeons ... 3 Radiographer ... 1	31	Medical, Surgical, Orthopaedic, Neurological, Ophthalmic, Throat and Ear, Dental, X-ray services, Education and Manual training provided.
Eye Hospita..	St. Mary's Place, Newcastle-upon-Tyne.	Eye Diseases.	32	Not known	Voluntary Committee	Hon. Consultant ... 1 Hon. Surgeons ... 3 Hon. Physician ... 1 Hon. Dental Surgeon ... 1 House Surgeons ... 2 Hon. Neurologist ... 1	Matron ... 1 Asst. Matron 1 Sisters ... 3 Probationers 6	
Throat, Nose and Ear Hospital.	Rye Hill, Newcastle-upon-Tyne.	Diseases of Throat, Nose and Ear.	35	Nil.	Voluntary Committee	Consultant Surgeons ... 3 Asst. Consult. Surgeons 2 Clinical Assistants ... 3 Other Honorary M.O's... 10	14	1 House Surgeon.
Hospital for Diseases of the Skin.	Westgate Hill Grange, Newcastle-upon-Tyne. 4.	Diseases of the Skin.	6	Nil. A certain number of out-patients attend from Tynemouth	Voluntary Committee	Physicians, Honorary ... 3 Asst. Physicians, Hon. ... 1	2	New patients treated during year, 637; Total number of consultations, 2,119. Electro-Therapeutic department in use; Ultra Violet Irradiations and X-rays ... 421
Infectious Diseases Hospital.	Scaffold Hill, Shiremoor.	Scarlet Fever. Diphtheria.	76	No fixed proportion. Mutual arrangement.	Earsdon Joint Hospital Board	1 part-time Medical Supt. NOTE.—From 1st Oct., 1937, patients were admitted from Wallsend and Blyth with a view to complete amalgamation.	Matron ... 1 Sister ... 1 Staff Nurses ... 2 Probationers 4	Population served : Earsdon Joint Hospital District U.D.C.'s of Whitley Bay & Monk-seaton, Seaton Valley, Longbenton. Total Population : (Census 1931) 71,824.
Earsdon Grange Hospital.	Earsdon, Northumberland.	Smallpox.	16	No fixed proportion. Mutual arrangement.	Earsdon Joint Hospital Board	1 part-time Medical Supt. Do. Do.	No resident Staff.	Population served : Earsdon Joint Hospital District, 74,824.
Infectious Diseases Hospital.	Wallsend-on-Tyne.	Infectious Diseases.	86	Nil	Wallsend Corporation	Medical Officer of Health	Matron ... 1 Sister ... 2 Probationers 10	Population served : Wallsend Borough, 44,340.
Smallpox Hospital.	Wallsend-on-Tyne.	Smallpox.	20	Nil.	Wallsend Corporation	Medical Officer of Health	As and when required.	Population served : Wallsend Borough, 44,340.
City Hospital.	Walker Gate, Newcastle-upon-Tyne.	Infectious Diseases & Tuberculosis.	338	Nil.	Health Committee Newcastle Corporation	Medical Supt. (M.O.H.), Deputy Med. Supt. (Deputy M.O.H.) ... 1 Resident M.O's ... 3	Matron ... 1 Ass. Matron 1 Ward Sisters 11 Ass.Nurses 28 Probationers 48	Population served : Newcastle-upon-Tyne, 290,400.
Smallpox and Isolation Hospital.	Town Moor, Newcastle-upon-Tyne.	Smallpox.	172	Nil.	Health Committee Newcastle Corporation	Supplied from City Hospital as and when required.	Supplied from City Hospital as and when required.	

The bacteriological examination of milk, water and other specimens is carried out by arrangement at the Durham College of Medicine laboratory, Newcastle.

The following specimens were examined during the year 1937:—

Samples of Milk for tubercle bacilli	150
Microscopical Exam. of Milk for Tubercle Bacilli ...	50
Samples of Milk for B.coli and count	50
Samples of Water for bacteriological examination ...	4
Examinations for enteric organisms in excreta ...	3
Blood cultures	7
Other specimens	2

Chemical analyses are performed for the Local Authority by the Public Analysts for the Borough, in their laboratory in Newcastle, upon samples submitted for the purpose by the Water Engineer.

Five samples of water were examined during the year.

In Preston Hospital and in the Tynemouth Victoria Jubilee Infirmary, certain examinations and analyses of clinical material were performed by the staff of each hospital.

Such examinations include Blood Counts, Blood sugar examinations, Urine analyses, Slide and Smear preparations, etc.

HOSPITALS AND INSTITUTIONS.

The Hospital services in the area and in the adjoining districts were described and discussed in the Annual Report for 1930. This year only additions or alterations in each hospital service are mentioned.

Hospital Beds in the County Borough of Tynemouth.

Classification of Wards.	Preston Hospital (Council).			Tynemouth Victoria Jubilee Infirmary. Voluntary			Frater Maternity Home. Council	Moor Park Infectious Diseases, Council	Balkwell Smallpox Hospital. Council	Total.
	No. of Wards	Beds.		Male 3 wards	Female 3 wards and side wards.	Total.				
Medical ...	7	84	81	15	4	19	...	...	...	} 307
Surgical ...	...	...	...	23	22	45	...	...	...	
Children ...	3	...	...	...	...	8	...	...	...	
Chronic Sick ...	3	58	28	...	...	2 wards	...	...	...	} 86
Venereal ...	2	6	4	...	...	...	...	...	...	
Tuberculosis ...	6	40	26	...	...	...	...	20	...	
Isolation ...	...	...	...	...	...	...	...	48	20	68
Maternity ...	1	...	12	...	8	8	6	...	...	26
Mental— <i>a</i> Shortstay <i>b</i> Longstay	2	2	2	...	...	...	...	...	...	4
Mental Defective ...	...	...	...	...	...	...	...	...	...	...
Other ...	...	...	...	...	...	...	...	...	...	...
Total ...	24	190	153	38	34	80	6	68	20	612

All Beds—612.

No beds are specifically reserved for Orthopaedic ; Ear Nose and Throat ; Puerperal Fever and Pyrexia, or Ophthalmia Neonatorum cases, but beds for these diseases are available at both Preston Hospital and the Victoria Jubilee Infirmary.

*Includes 25 beds for Children.

FACILITIES AVAILABLE AT HOSPITALS IN THE BOROUGH OF TYNEMOUTH.

Preston Hospital.

During 1933 an agreement as to joint usage of this hospital with Northumberland County Council was extended until 1950.

The following table is inserted to show the number of patients treated and the nature of diseases dealt with in Preston Hospital during the year 1937. The figures relate to all patients admitted, from the County Borough of Tynemouth and the County Council of Northumberland.

Number of beds available—438.

Classification of Beds	...	Provided.	Occupied on 31/12/37.
Medical and Surgical	...	165	Med. 103; Surg. 43.
			Total, 146

Children	...	...	...	70	100
Chronic Sick	...	...	...	86	72
Tuberculosis (25 for children)	...	...	...	91	44
Maternity	...	...	...	12	10
Others	...	...	...	14	13
				438	385

Number of patients admitted during the year	...	...	2,202
Number of patients discharged and died during the year	...	...	2,168
Number of deaths during the year	...	...	500
Average number of beds occupied	...	...	377
(Highest 399 on 22/7/37; Lowest 341 on 31/8/37)			
Number of patients seen at Venereal Diseases Clinic	...	...	365
Number of Surgical operations under General Anaes.	...	...	32
Number of Children, including children suffering from Tuberculosis, admitted from 1/1/37 to 31/12/37	...	...	568
Number of Maternity patients admitted from 1/1/37 to 31/12/37	...	...	120
Number of X-Ray Examinations (patients from Preston Hospital)	...	...	413

Tynemouth Victoria Jubilee Infirmary.

A description of this hospital was included in the Annual Report for 1930.

The following table summarises the work of the hospital during the year 1937:—

PATIENTS TREATED—In-patients, 1,672; Out-patients, 5,496;
Total—7,168.

OPERATIONS under general anaesthesia—1,801.

PATIENTS TREATED IN MASSAGE AND ELECTRICITY
DEPARTMENT—301 (8,280 visits).

EXAMINATIONS IN X-RAY DEPARTMENT—3,231.

SPECIMENS EXAMINED IN LABORATORY—1,835.

FRATER MATERNITY HOME.

Particulars of this Home are included in the Annual Report, 1930, and previous years. As routine, swabs are taken from patients on admission and the staff are also submitted periodically to bacteriological examination. The following table shows the bacteriological findings of such examinations:—

	Patients.	Staff.
Number of examinations	153	18
Number of swabs showing streptococci	12	9

The number of patients admitted during the year was 81.

The nett cost per patient during the year 1936—1937, was £4-0-5 per patient per week.

BALKWELL SMALLPOX HOSPITAL.

One case was admitted to this institution for observation and was eventually diagnosed as a case of atypical chickenpox,

MOOR PARK HOSPITAL.**ADMISSIONS, DISCHARGES, AND DEATHS DURING 1937.**

Disease.	Patients in hospital on 1st January, 1937.	Admitted	Discharged	Died	Remaining in hospital on 31st Dec., 1937.
Diphtheria ...	7	94	72	5	24
Scarlet Fever ...	9	126	112	—	13
Enteric Fever ...	—	3	3	—	—
Tuberculosis ...	8	28	15	4	17
Other * ...	—	12	9	1	2
Totals ...	24	263	221	10	56

*12 Suspicious cases (5 Scarlet Fever ; 6 Diphtheria.) (1 Enteric.)

The total number of days spent in hospital by patients during the year was 11,165, or an average of 42.2 days per patient.

TUBERCULOSIS.

The provision of beds under the Public Health Acts for Tuberculosis patients was outlined in the Annual Report for 1930. 91 beds are provided in Preston Hospital, which is administered under the Poor Law Acts, and there are 20 beds at Moor Park for tuberculous persons.

PUBLIC HEALTH ACT, 1936.

No consultation has been held by the Voluntary Hospital as required by Section 182 of the Public Health Act, 1936.

Institutional Provision for Unmarried Mothers and Illegitimate Infants, Homeless Children, and other children.

There has been no change in the above provision, which was detailed in my Report for 1930. The following shows the extent of the work accomplished during the year by the various organisations.

TYNEMOUTH RESCUE AND PREVENTIVE ASSOCIATION (voluntary, but subsidised by Council):—

Cases investigated ...	...	...	...	58
Cases placed in homes ...	...	...	...	9
Visits paid and received ...	...	...	...	828

PUBLIC ASSISTANCE COMMITTEE, TYNEMOUTH COUNTY BOROUGH.

Admitted to Homes—Orphans, 6; Deserted children, 14; Illegitimate children, 13; Others, 48. Total 81.

Admitted to Institution—Unmarried mothers, 9; Illegitimate children, 38. Total 47.

St. Aidan's Home, Tynemouth.

See Annual Report for 1930, page 29.

St. Oswald's Home, Cullercoats.

See Annual Report for 1930, page 29.

The Leslie Holiday Home, Seaton Sluice.

A Voluntary Association Home, administered by the Borough of Tynemouth Holiday Agency.

During the year there were 86 admissions, comprising 35 women, 7 boys and 44 girls. The Home provides 10 beds.

INSTITUTIONAL PROVISION FOR THE CARE OF MENTAL DEFECTIVES.

Full particulars on this subject were included in the Annual Report for 1930, page 29. The following table shows the Institutions used by the Local Authority and the number of patients under treatment at the end of 1937.

		Prudhoe Hall Colony, Northumb'land N.E. Co. Boro. Joint Board.	Harton* Poor Law Institution, South Shields C.B.	Howbeck* House Poor Law Institution W. Hartlepool C.B.	Durran Hill House, Carlisle R.C. Certified Institution,	Rampton State Inst., Notts. Board of Control for violent cases.
Feeble	M.	35	3	1	—	3
minded	F.	25	—	2	—	—
Imbec-	M.	5	—	—	—	—
iles	F.	1	—	—	1	—
Idiots	M.	—	—	—	—	—
	F.	1	—	—	—	—

*Part of premises a certified institution.

Mental Defectives are also admitted from time to time to Preston Road Institution, North Shields, "as a place of safety" pending removal to an approved Institution.

In addition the following cases are under Statutory Supervision:—

Males	...	...	...	...	...	37
(including 4 on leave of absence on licence in the Borough)						
Females	...	...	...	...	...	42

Eight cases (4 female and 4 male) are on leave of absence on licence from Institutions in the care of Guardians under the supervision of the Central Association for Mental Welfare, the North Eastern Association for Mental Welfare, or the Mental Deficiency Committee for the Area in which the Guardian resides.

And one case has been transferred from a certified institution and placed under the guardianship of his parents.

CLINICS AND TREATMENT CENTRES IN THE COUNTY BOROUGH OF TYNEMOUTH.

The following list gives a brief description of the Clinics and Treatment Centres which are available in the County Borough of Tynemouth.

<i>Name and Situation.</i>	<i>Nature of Accommodation.</i>	<i>By whom Provided.</i>	<i>Remarks.</i>
Maternity and Child Welfare Centre, Health Dept., Preston Road, North Shields.	Accommodation for consultations weighing, etc. Ultra Violet light clinic, lectures and demonstrations.	Tynemouth Corporation.	Adjoins Preston Hospital.
Ante and Post Natal Clinic, Health Dept., Preston Road, North Shields.	Consulting, Dressing and Waiting Rooms.	Do.	Opened 31st July, 1937.
Ante-natal Clinic, Victoria Jubilee Infirmary, North Shields.	Two consulting rooms and dressing rooms. One waiting room and side room. (Transferred as a Voluntary Clinic, 1st Aug., 1937).	Do.	Situated in the Vol. Hospital: Staffed by General Practitioners
School Clinic, South Preston Villa, North Shields.	Waiting rooms, consulting rooms, ophthalmoscopic room, offices, etc.	Do.	Remainder of building occupied by staff of Education Offices.
Tuberculosis Dispensary. Health Dept., No. Shields.	Waiting rooms, dressing rooms, Nurses' weighing room, laboratory, Ultra-Violet light room.	Do.	In same premises as Health Office and adjoining Preston Hospital.
Ultra-Violet light: Health Dept., North Shields.	Dressing rooms, light General and Local room, complete installation of mercuric Arc units.	Do	Also utilised by M. & C. W. Centre, Preston Hospital & Education Department.
Venereal Diseases Clinic, Preston Hospital, North Shields.	Also used as diagnostic centre for Ringworm. (Woods Glass) Complete unit, with exception of own laboratory facilities.	Do.	An auxiliary Centre run in conjunction with Skin Clinic, R. V. Inf.,
Subsidiary Venereal Diseases Clinic for Women and Children at Health Office, Preston Road, North Shields.	Do.	Do.	Newcastle. (up to 31/8/37) Do.

X-Ray Dept. : Preston Hospital, North Shields.	Waiting and Dressing Rooms, Developing Room, etc. Separate Screens and Table Apparatus.	Do.	Situated near T.B. Dis- pensary and Preston Hospital and used by both Departments.
North Shields Dispen- sary, Church Street, North Shields.	Consulting room and dispensary.	Voluntary Association	—
Out-patient Departm't, Jubilee Infirmary, No. Shields.	Waiting room, dressing rooms, consulting rooms, Minor opera- tions room. Laboratory. Massage. Operating Theatre.	Do.	—
Dental Clinic, Jubilee Infirmary, No. Shields.	In out-patient depart- ment of same Instit- ution.	Do.	—
Ear, Nose and Throat Clinic, Jubilee Infirm- ary, North Shields.	Waiting room, consult- ing room and examina- tion room.	Do.	—

AMBULANCE FACILITIES.

The following Ambulance facilities are available in the Borough and are provided by the Corporation :—

- (1) Motor ambulance for infectious diseases at North Shields. (Purchased 1931).
- (2) Horse-drawn ambulance for smallpox cases at North Shields.
- (3) Motor ambulance for non-infectious cases at the North Shields Fire Station.
- (4) Motor saloon for convalescent cases at Preston Hospital.

One disinfecting van, and a car for the use of the Medical Officers are also provided by the Council;

LOCAL GOVERNMENT ACT, 1929.

It still remains impossible to appropriate for purposes of the Special Acts (Sec. 5 (1)) of the Local Government Act, 1929, any part of Preston Hospital, which is a transferred institution containing 438 hospital beds. The agreement with the Northumberland County Council as to joint usage extends until 1950.

HEALTH EDUCATION.

No arrangements were made for the provision of public lectures on Social Hygiene during the year. Informal talks were however given by members of the Health Visiting Staff engaged in the various branches of public health work in the Borough.

Extensive use was made of posters and pamphlets relating to health services propaganda which were distributed by the Central Council for Health Education.

BLIND PERSONS.

The following is an analyses of the Blind Persons in the Borough on the Register of Blind Persons at 31st Dec., 1937.

At School	...	...	0	Between 60 & 70	...	33
Under 20 years	...	...	2	„ 70 & 80	...	18
Between 20 & 30	...	...	12	„ 80 & 90	...	2
„ 30 & 40	...	...	7	Over 90	...	0
„ 40 & 50	...	...	13			
„ 50 & 60	...	...	21			
Total			...	...	108.	

Under Sec. 176 of the Public Health Act, 1936, for the prevention of Blindness and for the treatment of eye disease or injury, 20 cases were dealt with during the year.

MATERNAL MORTALITY PROVISIONS.

The arrangements for the investigation of maternal deaths and cases of Puerperal Fever, Puerperal Pyrexia and their treatment, are shown on pages 36 and 37 of the Annual Report, 1930. During the year two maternal deaths were investigated, the reports being forwarded to the Ministry of Health. Bacteriological examinations are made of the staff, and patients admitted to the Frater Maternity Home. The results of these examinations are detailed in page 16.

Neither of the two fatal cases attended the ante-natal clinic.

The average Maternal Death rate for the period 1928—1937 was 4.48 per 1,000 Live births.

REGISTRATION OF NURSING HOMES.

One nursing home is registered under the Public Health Acts, 1936.

Under Section 192 of the Act, power is given to exempt certain hospitals from the operation of the Act, and under this Section, exemption has been granted to the Tynemouth Victoria Jubilee Infirmary (voluntary general hospital, with a maternity ward).

LEGISLATION IN FORCE.

The Legislation in force in the area is administered through the departments of the Town Clerk and the Medical Officer of Health.

The following table shows the Legislation in force in the Borough.

Adopted Acts—

	Date of Adoption.
Infectious Diseases (Notification) Act, 1889	... 23rd October, 1889.
Infectious Diseases (Prevention) Act, 1890	... 11th September, 1891
Public Health Acts Amendment Act, 1890—	
Part II.	... 23rd March, 1892
Part III.	... 9th February, 1891
Part IV.	... 21st April, 1896
Part V. (to come into operation 1st Jan. 1921).	24th November, 1920
Public Health Acts Amendment Act, 1907—	
Part II., Sections 15 to 27 and 29 to 33	...
Part III., Sections 34 to 47 and 49 to 51	...
Part IV., Sections 52 to 65 and 67, 68	...
Parts V., VI., and X.	...
(Certain adaptations were made by the Local Government Board with regard to Sections 25, 27, 35, 38, 59, 75 and 92).	28th August, 1909
Part VII., Sections 79 to 86	...
Part VIII., Sections 88 to 90	...
Part IX.	...
	1st February, 1909

Notification of Births Act, 1907	...	...	...	1st May, 1912
Public Library Act	...	...	...	13th July, 1869
Cran Measures Act, 1908	...	...	...	2nd March, 1914
Health Resorts and Watering Places Act, 1921	...	...	...	1st March, 1926
Local Government and Other Officers Super- annuation Act, 1922	...	...	...	16th July, 1929
Public Health Act, 1925, Parts II., III., IV., V.	...	...	...	25th July, 1934
Certain parts of the above Act have been ammended or repealed by the Public Health Act, 1936.				

Local Acts—

Tynemouth Improvement Act, 1866.
Tynemouth Corporation Act, 1916.
Tynemouth Corporation Act, 1919.
Tynemouth Corporation Act, 1924.
Tynemouth Corporation Act, 1934.

Bye Laws—

Bye Laws re Seamen's Lodging Houses.
" " Common Lodging Houses.
" " Good Rule and Government of Borough.
" " Disorderly Houses.
" " Street Cleansing, etc.
" " Slaughter Houses.
" " Offensive Trades.
" " New Streets and Buildings.
" " Maternity Homes.
" " Houses divided into Separate Tenements.

Sanitary Circumstances of the Area.

WATER.

The Capital Cost of the Water Undertaking of the County Borough of Tynemouth to date amounts to £966,477.

The supply is on the constant system, and is a mixture of water from three sources, viz:—

- (1) From the area of a watershed at Fontburn, near Rothbury.
Area of watershed— $11\frac{1}{2}$ square miles; upland moorland.
Capacity of Reservoir— $721\frac{1}{2}$ million gallons.
- (2) From the Tosson Springs on the North East side of Simonside Hills, near Rothbury.
- (3) From Springs at Cartington, which is on the North West side of Rothbury.

The following areas are supplied with water from the above water supply of the Tynemouth Corporation:—

Tynemouth C.B.; Ashington U.D.C.; Whitley and Monk-seaton U.D.C.; Seaton Valley U.D.C.; Newbiggin U.D.C.; Bedlington U.D.C.; and part of Morpeth District.

There are 4 Reservoirs in the Borough, viz.:—Ridges, Billy Mill, Moor Houses, and Brock Farm.

Four bacteriological examinations were taken during the year.

During the year 5 chemical analysis of water were taken and the following report taken in mid-year has been selected as an average.

Public Analyst's Laboratory,

10, Dean Street,

Newcastle upon Tyne.

4th June, 1937.

We hereby certify that we have analysed the undermentioned sample of Water, and that we find the following results:—

Sample marked: "Sample drawn from tap at 58, Blyth Street, Percy Main, North Shields, 31st May, 1937." Received 31/5/37.

	Parts per 100,000
Total solid matter in solution dried at 100° C. ...	11.400
Chlorine existing as chlorides	1.136
Ammonia	0.003
Albuminoid ammonia	0.007
Nitrogen existing as nitrates	0.010
Oxygen absorbed in 15 minutes at 25° C.	0.265
Oxygen absorbed in 4 hours at 25° C.	0.443
Lead and other poisonous metals	None
Hardness before boiling, Dr. Clark's scale	6.6°
Hardness after boiling 1 hour, Dr. Clark's Scale	6.0°
Appearance in two-foot tube—Yellowish Brown and clear.	
Smell when warmed—None.	
Microscopical examination of sediment—Satisfactory.	

Lead solvency 0.05.

This sample, generally similar to those examined in February, yet shows in nearly all the figures a little nearer approach to pure water. The figure for total solids is practically the mean of those of the two February samples, and the total hardness is slightly lower than in those samples—this time nearly all permanent hardness. The figures for chlorides, and for organic impurities, are all slightly reduced, and the sample is in these respects quite satisfactory. The lead solvency of the sample is satisfactorily low, and the sample is in our opinion suitable for drinking and general domestic use.

SWIMMING POOLS.

There are two Open-Air Salt Water Swimming Pools situated within the Borough. Periodically samples of water have been taken and have always attained a satisfactory standard.

In anticipation of the increased use of the larger of the two swimming pools referred to, situated on the sea front at Tyne-mouth, a Filtration and Chlorination Plant has been installed and shall be in operation throughout the coming season.

DRAINAGE AND SEWERAGE.

The following sewer work, etc., has been executed during the year (information supplied by the Borough Surveyor).

New sewerage laid by private enterprise 297 l.yds.

Ridges Estate 1,802 l.yds.

The sewers on the Ridges Estate have been laid on the separate system, i.e., the foul water is entirely separate from the surface water sewer and although both occupy the same trench the surface water is, in nearly every case, at a slightly higher level.

During the year there have been no conversions to the water carriage system at the cost of the Local Authority.

CLEANSING AND TRANSPORT DEPARTMENT.

Report of the Director of Public Cleansing.

(Roy Marson, A.M.Inst., P.C.).

The Cost of Refuse Collection, Refuse Disposal, and Street Sweeping, is shewn for the past three years. Workmen's wages were increased by $\frac{1}{2}$ d. per hour in July, 1936, and a further $\frac{1}{2}$ d. per hour in March, 1937.

Including Capital and Debt Charges.

YEAR ENDED.		
31st March, 1935.	31st March, 1936.	31st March, 1937.
£18,999.	£18,652.	£19,134.

Excluding Capital and Debt Charges.

YEAR ENDED.		
31st March, 1935.	31st March, 1936.	31st March, 1937.
£15,645.	£15,420.	£16,067.

Almost the whole of the refuse storage in the Borough is by means of galvanised ashbins of prescribed standard pattern. There remains only a few privy pails in certain isolated premises in the town area, and only a small number of dry and privy ashpits in outlying places, where it has not been practicable to convert to water carriage system.

The number of privy pail closets in the Borough is 26, dry pits 29, privy pits 77.

During the year 652 standard ashbins were provided to eliminate defective ashbins and unsuitable receptacles, and for new houses.

Dry house refuse is collected throughout the Borough (during the day) weekly, with the exception of the before-mentioned isolated cases.

The collection vehicles are of the S.D. Freighter, Low-Loading Tyne, including one 10 cubic yard foot-operated dustless cover type and one 10 cubic yard moving floor van type. These are supplemented by horse drawn two-wheeled vehicles. All the vehicles except one are on pneumatic tyres.

The contents of privy pails and ashpits are collected by one horse and cart during the night, and disposed of to farmers.

Refuse is disposed of by controlled tipping, with the exception of a small quantity of trade refuse which is incinerated.

The total mileage of streets to be cleansed is 82: 16 miles are cleansed once daily or more frequently, 6 miles twice weekly, 60 miles once weekly.

Street cleansing is carried out by the "Orderly System." All sweepings are collected by motor vehicle direct from the beats and are finally disposed of within a short period from the time of sweeping.

Litter bins are affixed to street standards in an endeavour to encourage pedestrians to refrain from depositing litter.

There were snowfalls and severe frosts during December, 1937, and road gritting on account of frosts was carried out by machine spreading and by hand.

Gullies are vacuum cleaned regularly and re-sealed by fresh water.

SCHOOLS.

A brief note is made in this Report on the sanitary condition of schools, on page 72 of the Senior Sanitary Inspector's Report.

A full report on the health of the scholars and the control of infectious disease and other matters has been published as the Report of the School Medical Officer for the year 1937.

Prevalence of and Control over Infectious and other Diseases.

ARTIFICIAL METHODS OF IMMUNIZATION AGAINST DISEASE.

VACCINATION.

The following Table gives the figures relative to the vaccination of Infants in the Borough, for the year 1936, under the Vaccination Acts.

Births	Vaccinated successfully.	Insus- ceptible.	Died unvacc- inated.	Conscien- tious Objectors.	Postponed by Medical Certificate.	Re- moved.	Unac- counted.	Percentage not vaccinated including Columns 5, 6, 7 & 8.
1	2	3	4	5	6	7	8	9
1198	262	4	43	829	2	27	31	74.5

In addition, the following number of vaccinations were carried out during the year ended 30th September, 1937.

	Numbers of successful Primary Vaccinations of persons.			Number of Successful Re-vaccinations, i.e. Successful vaccina- tions of persons who had been Successfully vaccinated at some previous time.
	Under one year of Age	One year and upwards	Total	
By the Public Vaccinator, under the Vaccination Acts	146	12	158	10
By the Medical Officer of Health, under the Provision of the Public Health (Smallpox) Regulations, 1917	0	0	0	0

IMMUNISATION AGAINST SCARLET FEVER, DIPHTHERIA, AND TYPHOID FEVER.

There were no persons tested for susceptibility or inoculated for Scarlet Fever, Diphtheria, or Typhoid Fever during the year.

SMALLPOX.

There were no cases notified during the year.

No contacts were kept under observation from an infected port.

CHOLERA AND PLAGUE.

There were no contacts kept under observation during the year and no cases were notified.

YELLOW FEVER.

No cases or contacts were kept under observation during the year.

SCARLET FEVER. (See tables on pages 93 and 94).

During the year 159 cases were notified, as compared with 89 in 1936. 126 of the notified cases were admitted to Moor Park Hospital. There was 1 death from the disease.

The average duration of treatment in Hospital was 28.2 days.

There were four return cases. For particulars of the Dick Test and Immunisation, see page 28.

DIPHThERIA. (See tables on pages 93 and 94).

During the year 101 cases were notified as compared with 40 during the year 1936. 94 cases were admitted to Moor Park Hospital, and one to Walkergate Hospital.

There were seven deaths.

The average duration of treatment in hospital was 28.8 days.

1,501 swabs were examined in the laboratory for the presence of diphtheria bacilli (see page 12).

The distribution of anti-toxin to general practitioners was continued as in previous years. During 1937 300,000 units of anti-toxin were distributed in 147 phials.

Particulars of the number of cases immunised against diphtheria is shown on page 28.

ENTERIC FEVER. (See tables on pages 93 and 94).

3 cases of enteric fever were notified in the months of January (1) and October (2). All the cases were admitted to Moor Park Hospital and made good recovery.

ENCEPHALITIS LETHARGICA.

No new cases were notified during the year.

One death attributed to this disease occurred in Preston Hospital.

CEREBRO SPINAL FEVER. (See tables on pages 93 and 94).

Three cases were notified; two were treated at Preston Hospital and one at home. One hospital case and the home case terminated fatally.

Treatment carried out was by lumbar puncture and administration of specific serum.

The diagnosis was confirmed by bacteriological examination in each case.

AGUTE POLIOMYELITIS.

No cases were notified during the year.

PNEUMONIA. (See Annual Report for 1930).

There were 55 deaths from Pneumonia (excluding Influenzal Pneumonia) during the year, as compared with 47 deaths in 1936 and 46 in 1935. The greatest number of notifications were received during January to April, and November to December.

The relation of the size of the house to the incidence of infection is shown in the appropriate table on page 38.

PUERPERAL PYREXIA AND PUERPERAL FEVER.**Puerperal Pyrexia.**

Of 8 notified cases, 7 were admitted to hospital under the Puerperal Pyrexia Regulations. The services of a consultant were not required. The eventual diagnosis of the 8 notified cases was as follows:—

Sapraemia	...	...	...	...	...	2
Influenza	...	...	...	...	...	2
Tonsillitis	...	...	...	...	...	1
Other Causes	...	...	...	...	...	3

Two cases included in the above figures, treated at T.V.J.I. and Preston Hospital, were non-residents of the Borough.

Two of the cases were attended at birth by midwives and six by medical practitioners, whilst four of the cases had attended the Ante-Natal Clinic.

Puerperal Fever.

Three cases were notified during the year—two of them in Preston Hospital—and all made good recovery. Puerperal Fever ceased to be notified as such from 1st October, 1937.

OPHTHALMIA NEONATORUM.

Two cases occurred in the practice of midwives, and 4 occurred in cases attended by medical men. The Local Authority have an arrangement with the District Nursing Association, whereby their nurses attend and treat all cases, if the medical man who has been called in desires nursing assistance. Two of the cases were attended by the staff of the Nursing Association, 46 visits being made.

CASES.			Vision un- impaired.	Vision impaired.	Total Blindness.	Deaths.
	TREATED.					
Notified.	At Home.	In Hospital				
6	2	4	5	—	—	1

In addition to visits paid to cases of Ophthalmia Neonatorum, 389 visits were made to 24 cases of Discharging Eyes.

MEASLES AND WHOOPING COUGH.

The following table shows the number of deaths from Measles (including German Measles) and Whooping Cough, from 1928 to 1937 :—

		1928	1929	1930	1931	1932	1933	1934	1935	1936	1937
Whooping Cough	School Notifications	218	68	216	117	149	206	164	149	117	237
	Deaths at all ages ..	7	2	11	2	6	5	2	5	2	4
Measles (includes German Measles).	School Notifications	44	454	313	595	179	501	997	72	735	494
	Deaths at all ages ...	4	17	—	18	3	7	14	2	8	4

PEMPHIGUS NEONATORUM.

Ninety-three visits were paid by the District Nurse to confirmed (2) and suspected cases (7) of Pemphigus Neonatorum.

The two confirmed cases were attended by midwives.

DIARRHOEA AND ENTERITIS.

Deaths under two years 11, mortality rate, 10.1 per 1,000 births.

The mortality rates for England and Wales, and the Great Towns, were 5.8 and 7.9 respectively.

Deaths (all ages) 13, Mortality Rate per 1,000 of the population, 0.19.

The Health Visitors make enquiries at the homes of cases where deaths are observed in the weekly mortality returns, and in such cases as may come to their knowledge during the course of ordinary routine visitation. Eight homes were visited during the year.

FOOD POISONING.

No cases of food poisoning were notified during the year.

DISEASES CONTRIBUTING LARGELY TO THE DEATH RATE, OR OF SPECIAL INTEREST. (See appendix Table II.).

INFLUENZA.

There were 27 deaths from Influenza in 1937, as compared with 9 deaths from this cause in 1936.

The disease was most prevalent in January, February and March.

RESPIRATORY DISEASES. (See appendix Table II.)

Pneumonia, Bronchitis and other Respiratory diseases:—

Deaths: 123; Mortality rate per 1,000 living, 1.84.

CANCER.**DEATHS AND DEATH RATES FROM CANCER.**

	1900 -04	1905 -09	1910 -14	1915 -19	1920 -24	1925 -29	1930 -34	1935	1936	1937
Deaths	157	185	244	287	319	315	403	92	90	103
Death Rate per 1,000 living ...	0.596	0.672	0.823	1.001	0.996	0.950	1.229	1.363	1.347	1.540
Proportion of deaths per 1,000 deaths from all causes	31	37	51	56	72	74	99	111	116	151

Deaths, 1937—103 Mortality rate per 1,000—1.540.

There are ample facilities for early diagnosis and treatment in the Borough at the Tynemouth Victoria Jubilee Infirmary, where there is a complete unit including the services of an honorary consultant radiologist, and honorary consultant surgeon.

The localisation, age and sex distribution of the disease are shown in the following Table for the year 1937.

	5-15		15-25		25-45		45-65		65 yrs. and upwards.	Totals	
	yrs.		yrs.		yrs.		yrs.				
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
Buccal Cavity —	...	...	...	...	...	...	2	...	2	...	4 ...
Stomach, liver etc.—	...	...	...	...	2	3	14	8	10	5	26 16
Peritoneum, intestines and rectum —	...	...	...	...	...	1	5	2	8	1	13 4
Female genital organs	...	...	...	...	...	...	...	5	...	3	... 8
Breast —	...	...	...	...	...	2	...	2	...	4	... 8
Skin —	...	...	...	...	...	...	..	...	...	1	... 1
Unclassified —	...	...	1	..	...	1	11	2	8	...	20 3
Totals —	...	...	1	0	2	7	32	19	28	14	63 40

DISEASES OF THE CIRCULATORY SYSTEM.

Under this heading are included Cerebral Haemorrhage, Heart Disease and Arterio Sclerosis.

DEATHS IN AGE AND SEX GROUPS DURING 1937 (Reg. Gen. Figures).

		All Ages	0-	1-	2-	5-	15-	25-	45-	65-	75	
Heart Disease—	Male	111	...	..	...	1	...	2	40	34	34	
	Female	78	...	...	...	1	4	5	18	21	29	
Cerebral Haem—	Male	29	...	...	...	...	...	...	14	7	8	
	Female	25	...	...	...	...	...	...	9	8	8	
Other Circulatory												
Diseases—	Male	28	...	...	...	...	...	...	6	12	10	
	Female	14	...	...	...	...	...	1	3	2	8	
Total	...	...	285	...	...	...	2	4	8	90	84	97

INFECTIOUS DISEASES DIAGNOSTIC SERVICES.

Laboratory facilities and the services of the Medical Officers in the Health Department are available for the diagnosis of doubtful or unusual cases of infectious disease.

During the year the Medical Officers of the Department dealt with 15 cases in this connection.

SCHOOL INTIMATIONS OF DISEASE.

As in previous years weekly returns of figures relating to absenteeism on account of illness in the various schools in the Borough have been submitted by the Education Department and have again proved helpful in the tracing of sources of infection, excluding contacts, and eradicating infectious diseases in localised areas.

On the occurrence of any group of infective cases a special visit of the medical staff of the School Medical Service is made with a view to tracing the source of infection and excluding the latent or likely cases. The homes of children excluded on account of disease are visited by the School Nurses and Health Visitors and appropriate advice is given on the prevention of disease and its applications.

PATHOLOGICAL AND BACTERIOLOGICAL EXAMINATIONS.

(See pages 12 and 13).

DISINFECTION OF PREMISES AND ARTICLES OF CLOTHING.

The following Table shows the number of rooms disinfected and the number of articles of clothing removed and disinfected at Moor Park Hospital Disinfecting Station, during 1937.

Disease.					Rooms.	Articles of Clothing.
Scarlet Fever	...	...	...	...	173	1137
Diphtheria	...	...	...	...	110	770
Enteric Fever	...	...	...	...	2	29
Tuberculosis	...	...	...	...	72	40
Vermin	...	...	...	...	81	4
Cancer	...	...	...	...	12	13
Cerebro-Spinal Meningitis	...	...	...	...	2	6
Other Diseases	...	...	...	...	22	80
Total				...	<u>474</u>	<u>2,079</u>

503 Bundles of clothing from Slum Clearance Areas were disinfected during the year.

The Council have three disinfectors, one at Moor Park Hospital, one at Balkwell Hospital, and one at Preston Hospital. The disinfection of articles removed from infected homes is undertaken at the station at Moor Park Hospital.

There is ~~one~~ Ford Motor van for the transport of infected and sterilised clothing and bedding. The van made 728 journeys during the year. The number of days on which the disinfectors was in use at Moor Park Hospital amounted to 246.

DEINFESTATION.

During the year deinfestation of the furniture and effects of persons rehoused from Clearance Areas was carried out at Balkwell Hospital. The process used was 6 hours concentrated fumigation with Sulphur Dioxide (2.8% S.O₂.); the gas was kept circulating by means of fans.

During the year the furniture from 203 families was disinfected prior to removal to new houses on the Ridges Estate.

PARTICULARS OF THE ACTION TAKEN FOR THE ERADICATION OF BED BUGS DURING THE YEAR 1937.

	Infested.	Deinfested.
(1) Number of (a) Council Houses ...	33	33
(b) Other Houses ...	12	12
(2) The methods employed for freeing infested houses from bed bugs.	Spraying with Insecticide (Zaldecide) after preparation of room, e.g. stripping off wallpaper and removing skirting boards, etc. Infested bedding deinfested by Steam disinfectant.	
(3) The methods employed for ensuring that the belongings of tenants are free from vermin before removal to Council houses.	6 hours concentrated fumigation with Sulphur Dioxide (2.8% S.O. ₂) Gas being kept circulating by means of Electric Fans. 203 tenants effects have been so treated.	
(4) Whether the work of deinfestation is carried out by the Local Authority or by a Contractor. ...	All deinfestation is carried out by experienced men employed directly by the Local Authority.	

Deinfestation of privately-owned and occupied property is not carried out by the Department. The services of a Sanitary Inspector are given in an advisory capacity, spray loaned free of charge, and insecticide sold at cost price.

CHIEF INFECTIOUS DISEASES IN RELATION TO THE SIZE OF THE HOUSE DURING 1937.

NOTIFICATIONS.	1 room.	2 rooms.	3 rooms.	4 rooms.	5 rooms and over	Institu- tions.
Scarlet Fever ...	3	25	41	52	35	3
Diphtheria ...	1	17	25	35	18	5
Pneumonia ...	4	12	12	16	42	...
Erysipelas ...	...	5	11	8	4	3
Tuberculosis (Pulmonary) ...	2	14	16	19	20	4
Tuberculosis (Non-Pulmonary)...	2	6	19	3	4	3

NOTE:—The incidence in relation to the size of the houses and the population dwelling therein has been discontinued in table form, owing to the movement of the population under the Housing Acts, into larger houses since the Census of 1931.

Tuberculosis.

The total number of notifications received was 216, relating to 104 new cases; 7 of the total number were notified more than once.

PRIMARY NOTIFICATIONS.

				M	F	Total
Pulmonary	...	...	...	43	32	75
Non-pulmonary		...	...	16	13	29
				—	—	—
		Totals	...	59	45	104
				—	—	—

In addition, 51 notifications on Form I. and 43 on Form II. were received. 5 cases were transferred from other areas, and 6 cases not notified were entered in the Register from the Death Returns.

- (1) **Pulmonary Tuberculosis.**—Deaths, 56, mortality rate per 1,000, 0.84. The distribution of the deaths with the mortality rate in each ward are as follows:—

WARD.	Popula- tion.	Notifica- tions.	Deaths.	Mortality Rate				
				1937	1936	1935	1934	1933
Central ...	3787	7	4	1.06	2.37	1.10	0.62	0.28
Collingwood	18925	18	20	1.05	1.44	1.09	1.08	0.45
Dockwray ...	5624	6	5	0.89	0.35	1.21	0.28	0.56
Linskill ...	9419	9	3	0.32	0.53	0.70	0.42	0.64
Milbourn ...	3359	8	7	2.08	0.95	0.81	0.94	1.13
Percy ...	8128	9	5	0.61	0.24	0.61	0.24	0.37
Preston ...	7860	10	4	0.51	0.38	1.12	0.99	0.87
Rudyerd ...	3178	2	3	0.94	0.31	1.51	0.77	1.52
Trinity ...	6600	6	5	0.75	0.61	1.05	1.02	0.73
Whole Borough	66880	75	56	0.84	0.84	0.99	0.71	0.82

- (2) **Non-Pulmonary Tuberculosis.**—Deaths, 9, mortality rate per 1,000, 0.13.

PULMONARY AND NON-PULMONARY TUBERCULOSIS.

MORTALITY RATES.

5 Yearly Averages (1911—1935).

Year.	Pulmonary.	Non-Pulmonary.
1911—1915	1.28	0.56
1916—1920	1.43	0.56
1921—1925	1.16	0.34
1926—1930	1.02	0.36
1931—1935	0.93	0.26
1936—	0.84	0.09
1937—	0.84	0.13

NEW CASES AND MORTALITY FROM PULMONARY AND NON-PULMONARY
FORMS OF TUBERCULOSIS DURING 1937.

AGE PERIODS.	NEW CASES.				DEATHS.			
	Pulmonary.		Non-Pulmonary.		Pulmonary		Non-Pulmonary.	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1	...	...	...	...	...	...	...	...
1— 5	...	1	4	2	...	1	...	1
5—10	1	4	4	4	...	1	...	..
10—15	4	3	4	2	...	...	2	..
15—20	3	4	1	1	1	6	...	...
20—25	3	3	1	2	7	3	1	...
25—35	10	10	1	2	6	8	...	3
35—45	6	4	1	...	7	...	1	1
45—55	10	1	...	...	8	1	...	...
55—65	6	2	...	...	5	2	...	...
65 and over	...	...	...	...	...	...	...	...
Totals	43	32	16	13	34	22	4	5

At the end of each week the Death Returns from the Registrar are carefully examined, and all deaths from Tuberculosis noted, to ascertain whether they have been duly notified. In 6 instances, however, it was found that during the year no notification had been received, although the death had been registered as Tuberculosis. In each instance the medical practitioner was informed.

Where sputa has been examined at the Public Health Department Laboratory, and found to contain Tubercle Bacilli, steps are taken to secure the immediate notification of such cases from the general practitioner.

PUBLIC HEALTH ACT, 1936.

No action was taken during the year under Section 169 of the Public Health Act, 1936.

NOTIFICATION REGISTER.

The number of cases of Tuberculosis on the register of notifications, on 31st December, 1937, was:—

Pulmonary.			Non-Pulmonary.			Total Cases.
Males	Females.	Total.	Males.	Females.	Total.	
230	177	407	134	97	231	638

REPORT UPON DISPENSARY AND INSTITUTIONAL TREATMENT.

RETURN FOR THE YEAR 1937.

(A) Return Showing Work of the Dispensary (or Dispensaries).

Diagnosis.	Pulmonary.				Non-Pulmonary.				Total.				Grand Total
	Adults		Children		Adults		Children		Adults		Children		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
A—NEW CASES EXAM- INED DURING YEAR EX- CLUDING CONTACTS—													
(a) Definitely tuberculous	29	18	6	5	3	2	11	6	32	20	17	11	80
(b) Doubtfully tuberculous	...	...	...	...	...	...	...	...	4	4	26	20	54
(c) Non-tuberculous	...	...	...	...	...	...	...	...	21	16	16	8	61
B—CONTACTS EXAM- INED DURING YEAR—													
(a) Definitely tuberculous	...	...	...	...	...	...	...	...	...	...	...	...	...
(b) Diagnosis not completed	...	...	...	...	...	...	...	...	...	...	...	...	...
(c) Non-tuberculous	...	...	...	...	...	...	...	...	5	26	34	33	98
C—CASES WRITTEN OFF DISPENSARY REGISTER AS—													
(a) Recovered	1	...	6	6	...	1	8	3	1	1	14	9	25
(b) Non-tuberculous (including any such cases previously diagnosed and entered on the Dispensary Register as tuberculous)	...	...	...	...	...	...	...	...	26	42	93	84	245
NUMBER OF PERSONS ON DISPENSARY REG- ISTER ON 31ST DECEM- BER, 1937—													
(a) Definitely tuberculous	114	80	40	33	22	15	53	27	136	95	93	60	384
(b) Diagnosis not completed	...	...	...	...	...	...	...	...	17	10	38	31	96

1. Number of cases on the Dispensary Register on 1st January, 1937 ... 509
2. Number of cases transferred from other areas and cases returned after discharge under Head 3 in previous years ... 1
3. Number of cases transferred to other areas, cases not desiring further assistance under the scheme, and cases lost sight of ... 23
4. Cases written off during the year as dead (all causes) ... 30
5. Number of attendances at the Dispensary (including contacts) ... 2133
6. Number of Insured Persons under Domiciliary Treatment on 31st Dec. 71
7. Number of consultations with Medical practitioners:—
 - (a) Personal ... 109
 - (b) Other ... Nil
8. Number of visits by Tuberculosis Officers to homes (including personal consultations) ... 6
9. Number of visits by Nurses or Health Visitors to homes for Dispensary purposes ... 2137
10. Number of
 - (a) Specimens of Sputum etc., examined ... 271
 - (b) X-ray examinations made in connection with Dispensary Work ... 972
11. Number "Recovered" cases restored to Dispensary Register, and included in A(a) and A(b) above ... Nil
12. Number of "T.B. plus" cases on Dispensary Register on Dec. 31st ... 80

(B) Number of Dispensaries for the Treatment of Tuberculosis
(Excluding centres used only for special forms of treatment).

‡ Provided by the Council ... 1 Provided by voluntary bodies ... Nil.

(C) Number of beds available for the treatment of Tuberculosis
on the 31st December in Institutions belonging to the Council.

Name of Institution.	For Pulmonary Cases.		For Non-Pulmonary Cases.		Total.
	Adults.	Children under 15.	Adults.	Children under 15.	
Moor Park Hospital ... *includes 2 observation beds	20*	...	...	...	20‡
†Stannington Sanatorium ...	—	4	...	2	6
†Horn Hall Sanatorium, Stanhope ...	6	...	..	...	6
Poor Law Institution.					
Preston Hospital ...	66	25	...	...	91‡

‡ Used for either Pulmonary or Non-Pulmonary cases.

† Patients sent from Tynemouth to these sanatoria by arrangement. The beds do not belong to the Tynemouth Corporation.

(D) Return showing the extent of Residential Treatment and
Observation during the year in Institutions (other than Poor
Law Institutions) approved for the treatment of Tuberculosis.

		In Institutions on Jan. 1st. (1)	Admitted during the year. (2)	Discharged during the year. (3)	Died in the Institutions. (4)	In Institutions on Dec. 31st. (5)
Number of doubtfully tuberculous cases ad- mitted for observation.	Adult males ...	Nil	...	...	...	...
	Adult females ...	Nil	...	...	...	...
	Children ...	Nil	...	...	...	...
	Total ...	Nil	...	...	...	..
Number of definitely tuberculous patients ad- mitted for treatment.	Adult males ...	10	18	13	3	12
	Adult females ...	2	16	9	1	8
	Children ...	6	5	6	...	5
	Total ...	18	39	28	4	25

CONDITION OF DISPENSARY PATIENTS AT END OF 1937

(a) PULMONARY TUBERCULOSIS

[illegible]

* Includes one "lost sight of" case returned

† Includes 1 male child transferred from Non-Pul Abd. 1929

CONDITION OF DISPENSARY PATIENTS AT END OF 1937.

(b) NON-PULMONARY TUBERCULOSIS

[illegible]

(G). Return showing the immediate results of treatment of definitely tuberculous patients discharged during the year from Institutions approved for the treatment of Tuberculosis.

Pulmonary Tuberculosis	Classifi- cation on admission to the Institution	Condition at time of discharge.	Duration of Residential Treatment in the Institutions.															Grand Totals.
			Under 3 months.			3—6 months.			6—12 months.			More than 12 months.			Totals.			
			M	F	Ch.	M	F	Ch.	M	F	Ch.	M	F	Ch.	M	F	Ch.	
Class T.B. minus.	Quiescent	...	...	1	...	1	...	...	1	...	...	1	...	1	3	1	1	5
	Not Quiescent	...	...	1	...	1	1	1	1	1	...	...	...	...	2	3	1	6
	Died in Institution	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	1
Class T.B. plus Group I.	Quiescent	...	...	...	...	...	...	...	1	...	...	1	...	1	2	...	1	3
	Not Quiescent. ^a	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1
	Died in Institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Class T.B. plus Croup II.	Quiescent	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Not Quiescent	...	...	...	...	...	1	...	2	...	...	...	...	...	2	1	...	3
	Died in Institution	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	1
Class T.B. plus Group III.	Quiescent	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Not Quiescent	..	...	1	...	1	...	...	1	1	...	1	...	...	3	2	...	5
	Died in Institution	!	...	...	...	...	...	...	1	...	...	...	...	...	2	...	...	2
TOTALS (pulmonary)			1	4	...	3	2	1	7	2	...	4	...	3	15	8	4	27

Non-Pulmonary Tuberculosis																		
			M	F	Ch.	M	F	Ch.	M	F	Ch.	M	F	Ch.	M	F	Ch.	
Bones and Joints.	Quiescent	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	2	2
	Not Quiescent	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Died in Institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Abdominal	Quiescent	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Not Quiescent	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Died in Institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Organs.	Quiescent	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Not Quiescent	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Died in Institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Peripheral Glands.	Quiescent	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Not Quiescent	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Died in Institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTALS (non-pulmonary)		...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	2	2

X-RAY EXAMINATIONS.

Radiography of contacts, suspected cases and all notified cases were carried out during the year, subsequent examinations when necessary were made as part of the routine Dispensary supervision.

582 Radiographs and 399 Screen examinations were made during the year.

ULTRA-VIOLET LIGHT THERAPY.

The total number of patients treated at the clinic during 1937 was 116 made up of 25 adults and 91 children.

The results of treatment were as follows :—48 were discharged healed or quiescent; 48 improved; 15 remained stationary and 5 retrogressed.

Of the total cases 19 ceased treatment.

ULTRA-VIOLET LIGHT THERAPY.

CONDITION OF PATIENTS UNDER TREATMENT DURING 1937.

Classification.	No. of Cases Treated during 1937		Discharged Healed or Quiescent		Improved		Stationary		Retrogressed		Ceased Treatment (already classified under other headings)	
	Adults	Children	Adults	Children	Adults	Children	Adults	Children	Adults	Children	Adults	Children
Tubercular Adenitis (Cervical etc.) without complications ...	2	4	1	3	1	...	...	1	...	...	...	2
Adenitis (complications) Skin and Suppuration ...	5	18	2	10	3	6	...	2	...	...	...	1
Abdominal ...	2	22	1	11	1	5	...	4	...	2	...	5
Skin ...	7	2	...	1	5	...	1	1	1	...	3	...
Pulmonary + Skin ...	...	1	...	...	...	1	...	...	...	...	...	...
Pulmonary + Spine ...	1	...	...	...	...	...	1	...	...	...	1	...
Bone ...	1	4	...	3	1	...	...	1	...	...	...	...
Observation } Cervical and Glands } Adenitis, etc. ...	5	19	2	11	3	7	...	...	...	1	...	4
Observation - Skin ...	...	...	...	...	...	...	...	...	...	...	...	...
Renal ...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmon. + Glands - Cervical ...	1	...	...	...	...	...	1	...	...	...	...	...
Pulmonary + Abdomen ...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary T.B. & observation	...	9	...	1	...	8	...	...	...	...	...	2
Associated conditions, etc. ...	1	12	...	2	1	6	...	3	...	1	...	1
TOTALS	25	91	6	42	15	33	3	12	1	4	4	15

TYNEMOUTH TUBERCULOSIS CARE COMMITTEE.

The Committee, which consists of representatives of practically all the voluntary associations of the Borough and from a number of business firms etc., has now become purely self supporting from the administrative point of view, the administrator being the Hon. Financial Secreary (H. W. Welch). The Medical Staff of the Health Department act in an advisory capacity and refer cases from the Dispensary to the Committee who deal with them.

During the year 30 cases were assisted, 19 being granted Extra Nourishment which consists of certain specified quantities of Eggs and Milk to approved cases of tuberculosis. The remaining 11 cases were supplied with surgical appliances, boots and clothing etc.

A Flag Day was held during the year and a collection of £21 4s. 9d. was made. The result of this effort was greatly effected by bad weather conditions.

Due to the generosity of interested friends, we have been able to provide a Billiard Table for the patients at Moor Park Hospital. This has given much pleasure to the patients.

REHOUSING OF TUBERCULOUS FAMILIES.

Under a scheme inaugurated by the Health Committee in February, 1933, 11 houses are now allotted for the purposes of rehousing families containing one or more cases of pulmonary tuberculosis of a definitely infective nature.

No alterations in tenancies have taken place during the year.

The minimum rent payable by families rehoused under this scheme has been fixed by the Committee at 5/- per week.

The houses are inspected periodically by the Tuberculosis Health Visitors.

INSTITUTIONAL TREATMENT.

See appendix Tables.

See pages 88 and 92.

Venereal Diseases.

Nine deaths attributable to syphilis were registered during the year.

The Centres available for the treatment of venereal diseases are the Clinic of the Royal Victoria Infirmary, Newcastle, (up to 31st August), and the Auxiliary Centre at Preston Hospital, Tynemouth, and at the Health Department, for females and children.

The number of persons from Tynemouth treated at the various clinics in the district is given in the following table:—

Disease.	Treatment Centre.			
	Newcastle.	South Shields.	Tynemouth.	Other Centres.
Syphilis	4	1	19	—
Soft Chancre	—	1	1	—
Gonorrhoea	8	7	48	—
Conditions other than venereal	4	8	44	—
Total new cases from Tynemouth	16	17	112	—
Attendances	607	415	6279	—
In-patient days	31	—	238	—

The attendance at the Preston Hospital Clinic, and Health Department Clinic, Tynemouth (including those made by foreigners and non-residents, not included in the above table), are:—

	PRESTON HOSPITAL CLINIC, TYNEMOUTH.			
	Residents.	Non-Residents.	Foreigners	Total.
New cases	112	49	29	190
Attendances (all cases)	6279	1571	613	8463

The sources from which specimens were sent during 1937, are indicated in the following table:—

Nature of Test	New-castle V.D. clinic.	South Shields V.D. clinic.	Tyne-mouth V.D. clinic.	Tyne-mouth Infirmary.	Other Centres.	Private Practitioners.	R.V. Infirmary, New-castle.	New-castle Eye Infirmary	New-castle General Hospital
Wasserman Reaction ...	40	30	172	28	1	21	11	5	—
Microscopical	—	—	4	1	—	3	—	—	—
Gonoc Infection	2	—	—	—	—	—	—	—	—
Totals ...	42	30	176	29	1	24	11	5	—

Maternity and Child Welfare Department.

WORK OF MIDWIVES.

Year.	Midwives.	Cases delivered by Mid-wives.	Medical aid summoned.	Stillborn.	Miscarriages
1932	24	908	379	25	6
1933	26	827	447	23	4
1934	24	835	359	22	14
1935	22	816	459	23	14
1936	23	758	372	18	10
1937	26	690	379	13	14

The midwives practising in the area attended 992 cases. In *302 of these cases the midwife was acting as a maternity nurse.

* 100 of these cases were in Tynemouth Victoria Jubilee Infirmary.

Midwives attended 63.48% of the total births.

With the introduction of the Midwives Act, 1936, 8 midwives were engaged and commenced their duties on 31st July, 1937.

MEDICAL AID.

Medical Aid, in accordance with the rules of the Central Midwives' Board, was summoned during 1937 for the following reasons:—Illness of mother, 329; illness of child, 50.

BIRTHS IN RELATION TO SIZE OF HOUSE.

Year.	Nett Births.	No. Visited by Health Visitors.	BIRTHS IN APARTMENTS—No. OF ROOMS.										No. of Infantile Deaths	Infantile Mortality Per 1000 Live Births
			1 Room	% To Total	2 Rooms	% To Total	3 Rooms	% To Total	4 Rooms	% To Total	5 Rooms & Over	% To Total		
1918	1471	1397	219	15.7	457	32.7	350	25.0	234	16.8	137	9.8	169	114
9	1613	1639	324	19.8	497	30.3	403	24.6	234	14.3	181	11.0	200	123
1920	1947	1939	480	24.8	643	33.1	407	21.0	240	12.3	169	8.8	180	92
1	1708	1654	461	19.8	523	30.3	323	24.6	199	14.3	148	11.0	176	103
2	1618	1456	431	23.7	445	30.5	272	18.7	170	11.7	138	9.4	130	80
3	1576	1469	474	32.3	454	30.9	267	18.2	190	12.9	84	5.7	138	87
4	1521	1434	488	33.6	420	28.9	268	18.4	182	12.5	96	6.6	132	86
5	1452	1366	453	33.2	423	31.0	222	16.2	182	13.3	86	6.3	139	95
6	1341	1248	389	31.2	372	29.8	202	16.2	197	15.8	88	7.0	100	74
7	1337	1249	391	29.2	369	27.6	216	16.2	162	12.1	111	8.3	104	77
8	1252	1164	338	29.0	349	30.0	243	20.8	153	13.1	81	6.9	108	86
9	1203	1117	288	23.9	355	29.5	236	19.6	145	12.0	93	7.7	115	95
1930	1280	1180	321	25.8	327	25.5	248	19.4	153	11.9	131	10.2	80	63
1	1276	1203	304	23.8	383	30.0	245	19.2	189	14.8	82	6.4	102	80
2	1238	1083	286	23.1	343	27.7	209	16.9	165	13.3	75	6.1	102	69
3	1185	968	260	22.9	293	25.8	215	18.9	129	11.4	73	6.4	96	84
4	1172	988	203	17.5	359	30.7	211	18.0	134	11.4	81	7.0	85	77
5	1201	1035	204	16.9	294	24.4	292	24.3	184	15.3	115	9.5	76	63
6	1209	1119	122	10.1	305	25.2	303	25.1	215	17.8	174	14.4	78	65
7	1087	981	82	7.5	249	22.9	309	28.4	213	19.6	128	11.8	72	66

ANTE-NATAL CLINIC—THE CARE OF EXPECTANT MOTHERS.

(With special reference to Circular 1,167 and Memo 156, M.C.W.)

On the 31st July 1937 the voluntary Ante-Natal Clinic carried on by general practitioners at the Tynemouth Victoria Jubilee Infirmary was transferred to the Health Department as a Municipal Clinic under the supervision of the Maternity and Child Welfare Medical Officer. The voluntary clinic continued to be carried on by the general practitioners for their private cases.

The following table indicates the extent of ante-natal medical care undertaken during 1937:—

PATIENTS ATTENDING ANTE-NATAL CLINICS, 1937.

Number of new cases sent to the Clinics by Midwives	...	610
„ „ „ „ Doctors	...	140
Total	...	*750

* Includes 114 patients seen by doctors at the Tynemouth Victoria Jubilee Infirmary Clinic between 31st July and 31st December, 1937.

Average number of visits per patient	...	...	1.96
Total visits paid to Ante-Natal Clinics by patients			1,470

The abnormalities found were:—

Varicosities	...	...	...	...	77
Albuminuria	...	...	...	...	41
Vaginal Discharge	...	...	...	...	34
Malpresentation	...	...	...	...	15
Malformation of Pelvis	...	...	...	...	4
Heart Disease	...	...	...	...	11
Lung Disease	...	...	...	...	10
Anaemia	...	...	...	...	13
Constipation	...	...	...	...	118
Teeth	...	...	...	...	94
Other Conditions	...	...	...	...	45

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Seventy-five patients suffered from two or more abnormalities.

Since the institution of the Municipal Ante-Natal Clinic, letters indicating serious major abnormalities in a patient have been sent to the patient's own doctor, and during the period 31st July to 31st December, 1937, the number of such notifications sent to private practitioners was 35.

The remainder of the patients who were examined at the Municipal Clinic and who were discovered to be suffering from minor conditions were either given advice, referred to their own medical attendant, or a record for medical help was sent by the midwife to the patients own doctor.

POST NATAL CLINIC.

During the period 31st July to 31st December, 1937, 30 patients attended the Post-Natal Clinic, and many more were advised by the Maternity and Child Welfare Medical Officer at the Child Welfare Clinic. As this service is new, it is hoped that in due time more mothers will avail themselves of this service.

Once more I have to thank the honorary medical officers for their valuable co-operation in carrying out Ante-Natal examinations to patients attending the Ante-Natal Clinic at Tynemouth Victoria Jubilee Infirmary.

HEALTH VISITING, INFANT HYGIENE, AND CO-ORDINATION OF WORK WITH SCHOOL MEDICAL SERVICES.

The total number of births notified during the year was 1,155 including 43 still-births, 85 outward transfers (which includes 5 still-births). Of the total births 60 were notified by medical men, 955 by midwives and 140 by parents and others. 12 births were found not to have been notified, but these were duly intimated after the requirements of the Notification of Births Act were brought to the notice of the persons concerned.

The number of first visits by the Health Visitors was 981 and of these 82 births occurred in houses of one apartment, 249 in houses of two apartments, 309 in houses of three apartments, 213 in houses of four apartments and 128 in houses of five apartments and over.

7,594 re-visits were made to infants under one year and 9,182 to children from one to five years of age, making a total of 16,776 re-visits. The total number of first visits and re-visits was 17,775, made up of 981 first visits and 16,776 re-visits.

The following table shows the numbers of children on the register and the number of re-visits made during the year 1937, in each age group. (Nett births in the area in 1937 numbered 1087.

	Number on Register in December, 1937.	Number of re-visits made during 1937.	No. receiving Medical Inspection at the M. & C.W. Centre.	No. of attendances for Medical Inspection, during the year.
0—1 year	542	7594	988	5241
1—2 „	} 1270	2538	} 961	2566
2—3 „		2516		
3—4 „		2414		
4—5 „		1714		

The amalgamation of the School Medical, Tuberculosis and M. & C. Welfare Service, is under consideration.

Still-births.

The number of still-births registered in the Borough, as given by the Registrar General, was 43, included in this number was 1 illegitimate still-birth.

Frater Maternity Home.

During the year 81 cases were admitted, 80 confinements. Of these births 3 were still-births. The births included 47 Males and 33 Females. The average duration of residence was 14.56 days. Medical Aid was requisitioned in 35 instances (33 for mothers and 2 for babies).

There was one infantile death during the year, certified as Marasmus. Two mothers took their discharge under 14 days. The reasons given were satisfactory.

Staff and patients are subjected to routine bacteriological examinations (see page 16).

Necessitous and Complicated Cases of Pregnancy and Labour.

The following Medical Services, provided by the Local Authority, are available for complicated maternity patients.

(1) Consultant Service.

(2) Public Health Department, Ante-Natal Clinic (Municipal), Post-Natal Clinic (Municipal), Ante and Post Natal Consultant Service.

(a) Preston Hospital—Ante-Natal Beds, Post-Natal Beds, Ante and Post Natal Consultant Service, Operative Facilities.

(b) Tynemouth Victoria Jubilee Infirmary—Ante-Natal Clinic (Voluntary), Ante and Post-Natal Consultant Service, Beds for complicated Maternity Cases, Operative Facilities.

(3) Laboratory Service for bacteriological examinations.

(4) Supply of prophylactic and therapeutic sera.

(5) Medical Aid under Midwives' Act, 1918,

MATERNAL MORTALITY.—

Maternal deaths: 2; Maternal Mortality: 1.84 per 1,000 live births.

Maternal Mortality according to the Registrar General's returns this year is 1.84 per 1,000 live births; this is below the average figure for the past 10 years which is 4.48.

It will of course be realised that in a Borough the size of Tynemouth a small reduction in the number of births results in a large variation in the Maternal Mortality rate.

The following table shows the number of Maternal Deaths occurring in the Borough compared with the Maternal Mortality of England and Wales, during the past 10 years.

Year.	Births.	Birth Rate.	No. of Maternal Deaths.	Tynemouth England & Wales Maternal Mortality per 1,000 live births.	Maternal Mortality per 1,000 live births.
1928	1252	18.90	10	7.98	5.62
1929	1203	18.26	4	3.32	5.82
1930	1280	19.41	10	7.81	5.59
1931	1276	19.71	5	3.91	5.55
1932	1238	18.66	5	4.04	5.37
1933	1135	17.25	6	5.28	5.94
1934	1172	17.77	5	4.26	5.85
1935	1201	17.38	3	2.49	4.10
1936	1209	18.10	4	3.31	3.81
1937	1087	16.25	2	1.84	3.23
Average	1205	18.23	5.4	4.48	*5.08

*mean of 10 years.

MATERNITY MEDICAL SERVICES PROVIDED DURING THE YEAR 1937.

Services Provided,	Number of occasions on which Medical Services were provided under the various Schemes and Acts.				
	Mid-wives' Act, 1918.	Ante-Natal Clinic.	Local Scheme	Puerperal Fever Regulations.	Total.
DURING PREGNANCY.					
Medical Services ...	66	1470	...	...	1536
Consultant Services	...	...	3	...	3
Hospital or Operative treatment ...	...	...	15	...	15
Bacteriological examination ...	...	...	153	...	153
DURING LABOUR.					
Medical Services ...	113	...	...	...	113
Consultant Services	...	...	...	...	...
Hospital or Operative treatment ...	...	...	11	...	11
Bacteriological examination ...	...	...	...	...	...
Serum Therapy ...	...	...	...	...	...
DURING PUERPERIUM.*					
Medical Services ...	150	...	...	...	150
Consultant Services	...	...	...	...	...
Hospital or Operative treatment ...	...	...	1	9	10
Bacteriological examination ...	...	...	...	...	...
Serum Therapy ...	...	...	...	2	2
Totals ...	329	1470	183	11	1993

*Includes cases of Puerperal Fever and Puerperal Pyrexia.

81 patients were admitted to the Frater Maternity Home during the year 1937.

50 babies received medical treatment under the Midwives' Acts.

The total births registered as blonging to the Borough during 1937 numbered 1,087 (which includes 60 inward transfers).

Part of the cost of these services is recovered from the patients, in accordance with a scale of charges based on the family income.

PUERPERAL PYREXIA AND PUERPERAL FEVER REGULATIONS.

For particulars of the arrangements made in connection with these regulations, see Annual Report, 1930, pages 36 and 37.

For notifications during 1937 see pages 93 and 94.

MILK (MOTHERS AND CHILDREN) ORDER.

The Voluntary Section of the Milk Depot, carried on by Mrs. A. E. Hill during the past 25 years was taken over by the Local Authority on the 1st April, and I wish to place on record the thanks of the Health Committee to Mrs. Hill and her co-workers for their long and valued services.

Dried milk has been supplied free, or at less than cost price, in 497 cases.

No. of persons receiving milk at less than cost price	482
*No. of persons receiving milk free	15
No. of lbs. distributed at less than cost price ...	7,939
No. of lbs. distributed free	228
* 7 of this number ultimately paid for milk at less than cost price.	

The expenditure on Dried Milk during the year amounted to £445 12s. 4d.

The total amount of Dried Milk sold at the Milk Depot during the year was 26,861 lbs.

During the period August to December the following was distributed to expectant mothers on behalf of the Joint Council of Midwifery:—

Ostermilk	572 lbs.
Colact	348 lbs.
Yeast Extract	255 cartons.
Sterilised Dressings	83

INFANT LIFE PROTECTION.

The Infant Life Protection Visitor, is a member of the staff of the P.A.C., and works in close co-operation with the Health Visitors and School Nurses of the Local Authority. During the year 50 visits were paid by the visitor.

The following notices were received during the year:—

Reception of Nurse Child	...	...	...	1
Change of Address	...	...	...	—
Return to parent	...	...	...	2
Removed to another area	...	...	...	2
Adoption	...	...	...	2
Reached the age of 9 years	...	...	...	—

At the end of the year there were 2 children on the register.

NURSERY SCHOOLS.

The North Shields Nursery School which was opened in 1933 has places for 80 children and the total attendances of children to this nursery during the year was 26,155.

The Sir James Knott Memorial Nursery School, Percy Square, Tynemouth, was opened on 27th September, 1937. Places are provided for 80 children and the total attendances up to the end of the year was 5,526.

The Maternity and Child Welfare Medical Officer acts as Hon. Medical Officer to the Nursery Schools.

INFECTIOUS DISEASES.

Disease.	Number of cases notified during the year.	Number of cases visited by officers of the Council	Number of cases for whom home nursing was provided by the Council	Number of cases removed to hospitals.
(1) Ophthalmia Neonatorum	6	4	2	4
(2) Pemphigus Neonatorum	—	9	9	—
(3) Puerperal Fever ...	3	3	—	2
(4) Puerperal Pyrexia ...	8	4	—	7
(5) Measles and German Measles (in children under 5 years of age) ...	—	—	—	—
(6) Whooping Cough (do.)	—	—	—	—
(7) Epidemic Diarrhoea (do)	—	8	—	2
(8) Poliomyelitis (do.) ...	—	—	—	—

Particulars of infectious diseases affecting mothers and children, will be found on pages 31, 32 and 33.

REPORT ON CLINICAL WORK.

Dr. M. E. Minihan.

The Child Welfare Clinics have continued as usual during the year 1937, three clinics a week being held for weighing the children. Consultations about health and feeding of the children and general advice and instruction is given to mothers.

There were 988 children under one year who made 5,241 attendances, 961 over one year, who made 2,566 attendances, totalling 1,949 children making 7,807 attendances. The average weekly attendance was 150 children. There were 446 children who attained the age of one year and were transferred to the over one year section.

Apart from debility following the infectious fevers in the pre-school child the 2nd year of life still furnishes the majority of cases of ill-health. Where children have had weaning foods gradually introduced from the 6th month and the milk supply maintained, little difficulty is encountered. On the other hand most children have their milk ration cut down to a minimum after the first year, their diet consisting largely of starchy foods.

Rickets still account for the bulk of ill-health among the children, and consequently dental caries is very common in the pre-school child. The dental clinic at Tynemouth Victoria Jubilee Infirmary has very kindly dealt with large numbers of these cases this year.

The Infirmary, with the clinics of the School Medical Services have also dealt very effectively with ear, nose and throat cases, minor operations, and children requiring consultations.

A very difficult type of cases to treat in home surroundings is the child who has acquired bad dietary habits through lack of training. The Nursery Schools have proved of great benefit in these cases, the improvement in the general condition of these children is apparent after a short time due to regular meals and rest intervals.

In March of last year we lost the very valuable services of Mrs. Hill from the Milk Distributing Centre. Fortunately her co-workers agreed to carry on the work of milk distribution, the financial side now being managed by the Health Office. The Centre continues its very necessary work in a most efficient manner. Breast feeding is often rather a drain on the mother's physical resources. Dried milk is supplied to these people at cost price or under during the nursing period and is often the deciding factor in the continuance of breast feeding.

The Invalid Children's Aid has very kindly continued its grant towards virol, numol, etc., for necessitous children.

Two ultra violet light clinics have been held per week. 56 cases making 775 attendances.

The conditions treated were:—

Rickets	...	...	...	...	...	28
Debility and Anaemia	...	...	...	...	...	22
Debility following Infectious Disease	...	...	...	...	...	1
Adenitis	...	...	...	...	...	3
Abnominal T.B.	...	...	...	...	...	1
Alopecia	...	...	...	...	...	1

The tonic effect of sunlight on debilitated children is soon apparent by their increased appetite and energy and gain in weight.

The Ante-Natal Clinic previously held at Tynemouth Victoria Jubilee Infirmary was transferred to the Health Department as a Municipal Clinic, on 31st July, 1937. Midwives cases are seen and kept under observation, and any abnormalities reported to the patients own Doctor.

A Post-Natal Clinic has also been established and patients are advised to attend after delivery. From the opening of this Municipal Clinic until the end of the year 30 cases attended. As in the case of the Ante-Natal Clinic they are referred to their own Doctors for treatment if required.

On 31st July, 1937, eight midwives were engaged by the Local Authority, under the Midwives' Act, 1936. Their equipment and uniform was renewed.

Dressings are prepared at the Municipal Ante-Natal Clinic and each midwife attends with her own patients.

Sessions are held every morning.

Sanitary Inspection of the Borough.

By C. A. MURRAY, Senior Sanitary Inspector.

Public Health Department,
Tynemouth.

To the MAYOR, ALDERMEN, AND COUNCILLORS,
Your Worship, Ladies and Gentlemen,

I beg to submit my Annual Report on the work of the Sanitary Inspectors during the year 1937.

The Overcrowding provisions of the Housing Act, 1936, has made a considerable call upon the services of the staff and its future administration will continue to make a heavy demand on the Inspectors' time.

The routine inspection of the District has been maintained as far as possible considering the frequent changes and smallness of staff. Slum Clearance, deinfestation and removal of tenants has been carried on according to the programme.

In conclusion may I take this opportunity of thanking the Health Committee and all colleagues for their support and keen interest in all work undertaken during a period of great difficulty.

I have the honour to remain,

Your obedient servant,

C. A. MURRAY.

Senior Sanitary Inspector.

FACTORIES, WORKSHOPS AND WORKPLACES.

A number of inspections were made of factories, workshops and workplaces, and when necessary, notification of defects were served upon owners or occupiers.

Inspection of Factories, Workshops and Workplaces.

(Including Inspections made by Sanitary Inspectors).

Premises.	Inspections.	Number of Written Notices.	Occupiers prosecuted.
Factories (Including factory laundries)	66	1	Nil.
Workshops (Including workshops' laundries)	81	2	Nil.
Workplaces (Other than outworkers' premises)	17	—	Nil.
Total	164	3	Nil.

The table following shows the matters dealt with after receipt of notices from H.M. Inspector of Factories and remedied under the Public Health Acts.

Defects found in Factories, Workshops and Workplaces.

Particulars.	NUMBER OF DEFECTS.			No. of offences in respect of which Prosecutions were instituted.
	Found.	Remedied.	Referred to H.M. Inspector of Factories.	
1. Nuisances under the Public Health Acts.				
Want of cleanliness	1	—	Nil.	Nil.
Want of ventilation	—	—	Nil.	Nil.
Overcrowding	—	—	Nil.	Nil.
Want of drainage of floors ...	—	—	Nil.	Nil.
Other nuisances	—	—	Nil.	Nil.
Sanitary—				
Accommodation—				
Insufficient	—	—	Nil.	Nil.
Unsuitable or Defective ...	2	1	Nil.	Nil.
Not separate for Sexes ...	1	1	Nil.	Nil.
2. Offences under the Factory and Workshops Acts.				
Illegal occupation of underground Bakehouses (S. 101)	—	—	Nil.	Nil.
Other offences, (excluding offences relating to out work and offences under the Sections mentioned in the Schedule to the Ministry of Health (F. and W. Transfer of Powers) Order, 1921) ...	—	—	Nil.	Nil.
Total	4	2	Nil.	Nil.

There are on the register, 78 factories and 97 workshops and workplaces; Total—175.

Outworkers.

During the year 3 notices under Section 107 of the Factory and Workshops' Act, 1901, were received. The premises where the work was done were inspected and found to be in a satisfactory condition.

List of Factories and Workshops on the Register at the end of the Year.

Basket Maker ... 1	Hosier ... 1	Rag Sorter ... 1
Bakers ... 32	Ice Manufacturers 2	Rope Maker ... 1
Builders ... 2	Jeweller ... 1	Saddler ... 1
Blacksmiths ... 3	Joiners ... 13	Salt Packers ... 2
Cabinet Maker ... 1	Laundries ... 3	Scale Maker ... 1
Cartwright ... 1	Lead Manufacturer 1	Sculptor ... 1
Coffee Grinders ... 2	Milliners ... 1	Shoe Makers ... 3
Coach Builders ... 1	Metal Founders ... 2	Sheet Iron Worker 1
Coach Painters ... 2	Mineral Water	Skin Cleaner ... 1
Coppersmith ... 1	Manufacturer ... 1	Sugar Boiler ... 1
Compass Adjuster ... 1	Motor Engineers ... 5	Sawmills ... 2
Dress Makers ... 3	Net Makers ... 3	Sausage Maker ... 1
Dyer ... 1	Oil and Guano	Tripe Preparer ... 1
Engineers ... 9	Manufacturer ... 1	Tailors ... 10
Firewood Manu-	Photographers ... 3	Timber Merchants 5
facturers ... 1	Plumbers ... 8	Tinsmiths ... 2
Funeral Furnisher 1	Paint Manufacturer 1	Upholsterers ... 3
Fish Curers ... 22	Pickle	
Gas Manufacturer ... 1	Manufacturers ... 2	Total ... 176
Glazier ... 1	Printers ... 5	

INSPECTION AND SUPERVISION OF FOOD.

Slaughterhouses.

The following Table shows particulars of all private slaughterhouses in the Borough at the end of 1937.

Definition.	No. of Slaughterhouses.
Registered	4
Licenced	17
Total	21

The number of Butchers using these slaughterhouses is 33.

Public Health (Meat) Regulations, 1924.

The following summary shows the work carried out under the above regulations :—

	Number of Visits.
(a) Slaughterhouses ...	968
(b) Butchers' shops ...	227
Total	1,195

As a result of these inspections 62 separate instances of diseased and unsound conditions were discovered and the carcasses and organs were condemned and destroyed. For full details see Table on pages 62 and 63.

The amount of meat found unfit shows a decrease over last years' figures.

In all cases the meat was voluntarily surrendered.

Sundry breaches of the Regulations were dealt with from time to time as they occurred, but on the whole the Regulations were well observed.

The number of carcasses inspected is about two-thirds of the number of animals killed in the Borough.

NUMBER OF ANIMALS SLAUGHTERED AND INSPECTED IN THE
BOROUGH IN 1937.

	Beasts	Calves	Sheep	Pigs	Goats	Total
Private Slaughterhouses.	822	40	3784	1,170	Nil,	5,816

NUMBER OF CARCASSES WITH ORGANS CONDEMNED.

Condemnations due to Tuberculosis.

Animals.	Whole Carcasses		Part Carcasses	
	Number	Weight	Number	Weight
Bovines	5	3,122 lbs	2	333 lbs
Pigs	—	—	10	130 lbs
Sheep	—	—		—
Totals ...	5	3,122 lbs	12	463 lbs

Condemnations of Offal.

Animals.	Tuberculosis		Other Conditions	
	Condem-nations	Weight	Condem-nations	Weight
Bovines	24	376 lbs	10	284 lbs
Pigs	10	75½ lbs	1	3 lbs
Sheep	...	...	...	...
Totals	34	451½ lbs	11	287 lbs

OTHER FOODS INSPECTION.

There has been a decrease in the quantity of food condemned this year as against 1936.

There have been no prosecutions as in all cases the food condemned was voluntarily surrendered. All unsound condemned foodstuffs are disposed of at a factory where they are utilized in the manufacture of manure, fertilizers etc.

Fish.

During the season a large number of boats are engaged in herring fishing and the catches are usually landed and dealt with the same day. All catches are dealt with at the Corporation Fish Quay and the quality of fish landed has been well maintained.

Mr. Tom MacKenzie, Fish Quay Master, has kindly placed at my disposal figures showing the volume and value of the trade done during the year 1937.

The following are the particulars:—

White Fish	...	334,365 cwts.,	...	£332,039
Herrings	...	68,673 crans,*	...	£100,000
Salmon and Trout	...	90,500 lbs.,	...	£9,295

* 1 cran = 3¾ cwts.

FOOD CONDEMNED.

Food.				Tons.	Cwts.	Qrs.	Lbs.
Beef	...	...	..	1	16	2	27
Pork	...	...	..	—	1	3	12½
Fish	...	...	...	6	—	1	5
Shellfish	...	...	...	—	—	1	16
Totals	...	...	...	7	19	1	4½

MILK SUPPLIES.

There were 15 cowkeepers with 31 cowsheds, housing 288 cows, on the Register at the end of the year.

All the dairy farms were inspected regularly during the year. One cowshed was enlarged and improved.

Mr. T. Harper, Veterinary Inspector, examined all the animals in the herds twice during the year. In addition to the half yearly inspection all animals in the herds of the farmers licensed to produce "Accredited" Milk were examined quarterly. As a result of these inspections one animal was removed from the herds and slaughtered.

During the year 21 animals were slaughtered under the Tuberculosis Order, 1925. This includes the animals referred to in the above paragraph and those referred to under Milk sampling.

There have been frequent inspections of all premises registered for the sale and storage of milk and infringements of the Milk and Daires Order, 1926—36 were dealt with satisfactorily. Consignments of milk coming into the Borough by road and rail received attention also the condition of the empty churns returned.

Approximately one-sixth of the milk sold is produced within the Borough.

CENSUS OF MILK CONSUMPTION.

One week during March, 1937.

Average Quantity of Milk sold weekly in the Borough at the present time:—

					Gallons.
Ordinary Milk	...	...	...	...	7,414 $\frac{1}{4}$
Sterilised Milk	...	...	...	...	219 $\frac{3}{8}$
Pasteurised Milk	...	...	...	...	5,934
Accredited Milk	...	...	...	...	2,179
Tuberculin Tested Milk	...	...	...	...	237
Skimmed Milk	...	...	...	...	61
Total ...					<u>16,044$\frac{5}{8}$</u>

Analysis.

Average quantity of Milk produced and sold by farmers within the County Borough of Tynemouth:—

	Gallons.
Ordinary Milk	1,182
Accredited Milk	1,446
	2,628

Average quantity of Milk sold weekly which is imported from outside sources:—

	Gallons.
Ordinary Milk	6,232 $\frac{1}{4}$
Sterilised Milk	219 $\frac{3}{8}$
Pasteurised Milk	5,934
Accredited Milk	733
Tuberculin Tested Milk	237
Skimmed Milk	61
	13,416 $\frac{5}{8}$
Total ...	16,044 $\frac{5}{8}$

SUMMARY.

Increase or Decrease on 1936.

Type of Milk.	1936 Gallons	1937 Gallons	Increase Gallons	Decrease Gallons
Ordinary Milk	11,171 $\frac{3}{4}$	7,414 $\frac{1}{4}$	—	3,757 $\frac{1}{2}$
Sterilised Milk	213 $\frac{1}{4}$	219 $\frac{3}{8}$	6 $\frac{1}{8}$	—
Pasteurised Milk	4,500	5,934	1,434	—
Accredited (Grade "A")	1,920 $\frac{1}{2}$	2,179	258 $\frac{1}{2}$	—
Tuberculin Tested (Grade "A" T.T.)	304 $\frac{1}{2}$	237	—	67 $\frac{1}{2}$
Skimmed	406	61	—	345
Totals	18,516	16,044 $\frac{5}{8}$	1,698 $\frac{5}{8}$	4,170

Average Weekly Consumption per head of population (66,800 est.)—1.9214 pints per head.

MILK FOR EXAMINATION FOR TUBERCLE BACILLI.

150 samples of milk were taken for examination, 106 were from sources within the Borough and 44 from outside sources.

13 of the samples disclosed the presence of tubercle bacilli.

The Veterinary Inspector subsequently examined the herds of the farms affected and as a result 7 animals were removed from the herds and slaughtered under the Tuberculosis Order, 1925.

Retail Purveyors of Milk.

Applications for registration received	...	...	...	...	17
Applications for registration granted	...	...	...	...	17
Number of milk dealers on the register	...	...	...	...	180
Dairy premises registered during the year	...	...	...	...	Nil
Producers and cowkeepers, wholesale dealers registered during 1937	...	...	...	...	Nil
Applications withdrawn	...	...	...	...	Nil
Retailers relinquishing registration	...	...	...	...	35

Graded Milk—Licenses Granted.

Dealers' licenses to sell Tuberculin Tested Milk	...	...	...	1
Supplementary licenses to sell Tuberculin Tested Milk	...	...	...	6
Producers licenses for Accredited Milk	...	...	...	4
Supplementary licenses for Accredited Milk	...	...	...	2
Dealers' licenses to sell Accredited Milk	...	...	...	2
Dealers' licenses to sell Pasteurised Milk	...	...	...	14
Dealers' licenses to bottle Tuberculin Tested Milk	...	...	...	4
Dealers' licenses to bottle Accredited Milk	...	...	...	3

Samples Taken.

There were 50 samples submitted for examination at the Bacteriological Department of the Durham College of Medicine and of this number 43 were Designated Milks under the Milk (Special Designations) Order, 1923—36 and the remaining 7 were Undesignated milks.

The results are below:—

DESIGNATED MILK.

Designation.	Total samples Taken.	A Methylene Blue Reduction Test.		B, Coliform Test.		Pasteurised Milk Total number of organisms per c.c.	
		S.	Not S.	S.	Not S.	Under 30,000	Over 30,000
Tuberculin Tested	8	4	4	4	4	—	—
Accredited	26	25	1	23	3	—	—
Pasteurised	9	—	—	—	1	6	3
Total	43	29	5	27	8	6	3

S = Satisfactory.

ORDINARY MILK.

Total Number of Organisms per c.c.

Total Samples taken	Under 1000	1000 5000	5000 30,000	30,000 100,000	100,000 200,000	over 200,000	B.Coli.T.	
							+	-
7	—	1	1	—	1	4	7	Nil

TYNEMOUTH CORPORATION ACTS, 1916—1934.

Regulations made under the Acts are in force and no person is permitted to use premises for the preparation of food unless they are registered by the Local Authority, who have power to refuse registration if, in their opinion, the premises are unsatisfactory.

There are 85 persons in the Borough registered as occupiers of premises in which Ice Cream is sold or manufactured and 72 persons are registered as owners or occupiers of premises in which Preserved Meat, Fish Cakes, or other foods are prepared. The figures do not include the premises used for the business of fish and potato frying.

Number of inspections made of premises used for:—

Manufacture of Ice Cream	482
Manufacture of Other Foods	873

MERCHANDISE MARKS ACT, 1926.

There are approximately 500 shops and other places which come within the scope of this Act, which provides for the marking of imported foodstuffs (fresh apples, butter, currants, raisins, sultanas, eggs, raw tomatoes and honey. Some 102 visits of inspection were made under this Act, and except in comparatively few instances the origin of the produce was found to be indicated.

FOOD AND DRUGS.

Milk and Cream Regulations, 1912—1927.

(1) MILK AND CREAM NOT SOLD AS PRESERVED CREAM.

	(a) Number of samples examined for the presence of a preservative.	(b) Number in which a preservative was reported to be present.
MILK ...	117	Nil.
CREAM ...	4	Nil.
TINNED CREAM ...	2	Nil.

Nature of preservative in each case in column (b) and action taken under the Regulations in regard thereto Nil

(2) THICKENING SUBSTANCES.

Any evidence of the addition to cream. Action taken when found ... Nil

Artificial Cream Act, 1929.

No samples were taken under this Act.

Chemical Analyses.

This work is carried out by Messrs. J. T. Dunn, D.Sc., F.I.C., and H. C. L. Bloxham, F.I.C ; Dean Street, Newcastle-upon-Tyne.

SALE OF FOODS AND DRUGS (ADULTERATION) ACT, 1928.

Table I.

Samples Taken.

Articles Analysed	Total.	No. of samples taken for analysis.		No. found Adulterated.		Percentage Adulterated.	
		In-formal	Formal	In-formal	Formal	In-formal	Formal
New Milk ...	99	...	99	...	20	...	20.2
Pasteurised Milk ...	7	...	7	...	...	...	...
Sterilised Milk ...	11	...	11	...	...	...	...
Vinegar ...	3	3	...	1	1	33.3	...
Lard ...	5	4	1	1	...	20.0	20.0
Cheese ...	6	6	...	...	...	...	...
Butter ...	5	5	...	...	...	...	...
Margarine ...	4	4	...	...	...	...	...
Cream ...	4	4	...	...	...	...	...
Cream [Tinned] ...	2	2	...	...	...	...	...
Coffee ...	2	2	...	...	...	...	...
Tea ...	3	3	...	...	...	...	...
Condensed Milk ...	10	10	...	...	...	...	...
Castor Oil ...	4	4	...	...	...	...	...
Glycerine ...	2	2	...	...	...	...	...
Camphorated Oil ...	1	1	...	...	...	...	...
Liquirice Powder ...	2	2	...	...	...	...	...
Zinc Ointment ...	4	4	...	...	...	...	...
Sulphur Ointment ..	1	1	...	...	...	...	...
Boracic Ointment ...	2	2	...	...	...	...	...
Olive Oil...	2	2	...	...	...	...	...
Jam ...	6	6	...	...	...	...	...
Gregory Powder ...	2	2	...	...	...	...	...
Baking Powder ...	3	3	...	...	...	...	...
Sausage [Beef] ...	3	3	...	...	...	...	...
Cream of Tartar ...	2	2	...	...	...	...	...
Sugar ...	2	2	...	...	...	...	...
Self Raising Flour ...	2	2	...	...	...	...	...
Aspirin ...	2	2	...	...	...	...	...
White Pepper ...	1	1	...	...	...	...	...
Bicarbonate of Soda ...	2	2	...	...	...	...	...
Dripping ...	2	2	...	...	...	...	...
Rice ...	4	4	...	...	...	...	...
Tapioca ...	2	2	...	...	...	...	...
Sild ...	2	2	...	...	...	...	...
Mustard Sauce ...	1	1	...	...	...	...	...
Seed Tapioca ...	1	1	...	...	...	...	...
Sago ...	2	2	...	2	...	100.0	...
Coffee and Chicory ...	1	1	...	...	...	...	...
Sherry ...	1	1	...	...	...	...	...
	220	102	118	4	21	1.82	9.55

Public Health (Condensed Milk) Regulations, 1923—1927.

10 samples were taken under these Regulations.

Public Health (Dried Milk) Regulations, 1923—1927.

No samples were taken under these Regulations.

Public Health (Preservatives in Food) Regulations, 1925—1927.

158 samples were taken under these Regulations.

PARTICULARS OF ADULTERATED SAMPLES.

TABLE II.

No.	Article.	Defect.	Action taken.
1.	New Milk	3.6% deficient in Milk Fat.	Follow-up sample No. 13 also found to be deficient. Strong letter of Caution sent by Health Committee to Vendor.
13.	New Milk	8.0% deficient in Milk Fat.	
31.	Lard	Lard substitute. Probably hardened cotton seed stearine.	Follow-up sample No. 46 also found to be deficient. Letter of Caution sent by Health Committee to Vendor.
46.	Lard	Lard substitute. Probably hardened cotton seed stearine.	
79.	New Milk	2.0% deficient in Milk Fat.	Letter of Caution sent by Health Committee to Vendor.
84.	New Milk	9.0% deficient in Milk Fat.	Letter of Caution sent by Health Committee to Vendor.
86.	New Milk	7.3% deficient in Milk Fat.	Letter of Caution sent by Health Committee to Vendor.
87.	New Milk	0.6% deficient in Milk Fat.	Letter of Caution sent by Health Committee to Vendor.
89.	New Milk	5.6% deficient in Milk Fat.	Letter of Caution sent by Health Committee to Vendor.
95.	New Milk	1.3% deficient in Milk Fat.	Letter of Caution sent by Health Committee to Vendor.
104.	New Milk	2.3% deficient in Non-fatty solids.	Vendors attended meeting of Health Committee. See follow-up samples Nos. 116 & 118.
107.	New Milk	8.3% deficient in Milk Fat.	Follow-up samples Nos. 114 and 115 taken. No. 114 found to be deficient but No. 115 was genuine. Letter of Caution sent by Health Committee to Vendor.
108.	New Milk	5.0% deficient in Milk Fat.	Follow-up sample No. 117 found to be deficient. Farmer summoned to H. Committee.
114.	New Milk	2.6% deficient in Milk Fat.	Strong letter of Caution sent by Health Committee to Farmer.
116.	New Milk	8.7% deficient in Non-fatty solids.	Sample No. 118 also deficient. Farmer summoned to Health Committee.
117.	New Milk	13.3% deficient in Milk Fat.	Farmer summoned to Health Committee.
118.	New Milk	1.7% deficient in Non-fatty solids.	Farmer summoned to Health Committee.

No.	Article.	Defect.	Action taken.
128.	Sago	100% Tapioca.	Strong letter of Caution sent by Health Committee to Vendor.
142.	Sago	100% Tapioca.	Strong letter of Caution sent by Health Committee to Vendor.
146.	New Milk	5.0% deficient in Milk Fat.	Letter of Caution sent by Health Committee to Vendor.
148.	New Milk	6.0% deficient in Milk Fat.	Letter of Caution sent by Health Committee to Vendor.
152.	New Milk	7.6% deficient in Milk Fat.	Letter of Caution sent by Health Committee to Vendor.
155.	Vinegar	Artificial or imitation vinegar. Acetic Acid coloured by caramel and has not been produced by fermentation as vinegar ought to be.	Strong letter of Caution sent by Health Committee to Vendor.
158.	New Milk	5.6% deficient in Milk Fat.	Vendor cautioned. Follow-up sample No. 172 also found to be deficient. Farmer prosecuted.
164.	New Milk	0.2% deficient in Non-fatty solids.	{ Vendor of these samples summoned to appear before Health Committee and was cautioned.
171.	New Milk	7.0% deficient in Milk Fat and 7.0% deficient in Non-fatty solids.	
172.	New Milk	10.6% deficient in Milk Fat.	Farmer prosecuted. Case dismissed without costs.

Bakehouses.

There are 32 premises on the Register. These have been inspected regularly and it has only been necessary to serve one notice for limewashing during the year.

SHOPS ACT, 1934. (SECTION 10).

The provisions of the above section relate to the Health and comfort of shop assistants.

During the year 102 visits of inspection were made.

Number of Notices Served.

DEFECT	NOTICES SERVED	WORK CARRIED OUT
Want of sanitary conveniences ...	8	5
Want of washing accommodation	1	1
Insufficient means of heat and ventilation	2	2

During the year 2 certificates of Exemption were granted to occupiers of lock-up shops and other persons where there were no sanitary conveniences owing to restricted accommodation. In these cases alternative accommodation was arranged.

RAG FLOCK ACTS, 1911 and 1928.

No samples were obtained. This material seems to have fallen into disuse.

SLAUGHTER OF ANIMALS ACT, 1933.

There are 72 Licensed slaughtermen in the Borough.

No infringement of the Regulations concerning the above Act came to the notice of the Department during the year. The stunning of sheep is not carried out in the Borough.

PUBLIC HEALTH (SMOKE ABATEMENT) ACT, 1926.

One observation was made during the year and in this instance black smoke was emitted in excessive quantities. The premises were visited and the cause of the smoke investigated, and it was found that the plant was in order and that the nuisance resulted from careless stoking. Verbal warning was given in this case with satisfactory results.

SEAMENS' AND COMMON LODGING HOUSES.

At the end of the year there were 5 Seamen's and 3 Common Lodging Houses on the Register. Total number of beds contained therein, 213. During the year 1 Seamen's Lodging House was voluntarily closed and 1 new Seamen's Lodging House was licensed.

In addition to the Common Lodging Houses already mentioned there are facilities for sleeping accommodation and recreation at the Tyne Sailors' Home where there are 72 beds provided.

Twenty-seven visits of inspection were made during the year and no cause for complaint was found at the time of inspection. The Chief Constable has also had inspections made and has found everything satisfactory.

OFFENSIVE TRADES.

The premises at which Offensive Trades are carried on have been frequently visited and inspected, and the Regulations have always been complied with. The following is a list of the Offensive Trades registered in the Borough:—

Tallow Melting	...	...	...	...	1
Fish Liver Boiling	...	...	...	...	1
Fish Meal Manufacture	...	...	...	...	1
Tripe Boiling	...	...	...	...	5
Fish Manure Manufacture	...	...	...	...	1
Gut Scraping	...	...	...	...	2
Fish and Potato Frying	..	...	...	...	33
Total	...	..	..	..	44

During the year 1 Fried Fish Shop was closed down and 1 new licence was granted. One licence was transferred to new premises; 2 applications for new licenses were refused; and 11 licenses were transferred to fresh occupiers.

THEATRES, MUSIC HALLS, AND PUBLIC BUILDINGS.

The Inspector of Public Buildings has regularly visited all places of amusement and no complaint of defects or irregularities have been made in connection with the Ventilation, Sanitation or Cleanliness of any of these buildings.

INSPECTION AND TESTING OF DRAINS.

Questions relating to the remodelling of old systems and the installing of new systems have been discussed with owners and builders with advantage to all persons interested, as both efficiency and economy has been secured. When old systems are tested, smoke is used, unless the drain is uncovered, when the drains, both old and new, are tested with water. The drains and sanitary conveniences of new buildings are dealt with by the Borough Surveyor's staff.

The following shows the various tests which were carried out during the year:—

Smoke Tests ...	...	...	...	...	45
Chemical Tests	...	...	...	...	33
Water Tests ...	...	...	...	...	40
Total ...					118

SANITARY CONVENIENCES (PUBLIC).

All Public Conveniences are under the control of the Director of Public Cleansing and have always been kept in a satisfactory condition.

RATS AND MICE (DESTRUCTION) ACT, 1919.

As required by the Ministry, special efforts were made during Rat Week to secure concerted action in the destruction of rats and mice. Much preparatory work was undertaken during the weeks preceding the appointed time to secure success.

The results ascertained were that 309 rats and 190 mice were destroyed.

Rat traps are available at the Health Department and were on loan to 27 persons making application for them during the year.

SCHOOLS.

There have been no complaints received of inadequate ventilation, sanitation or drainage at any of the schools. There are 23 schools in the Borough (this figure includes 2 Nursery Schools) under the control of the Tynemouth Education Authority and the structures are under the supervision of Mr. J. H. Forsyth, the Clerk of Works.

Housing.

HOUSES ERECTED DURING 1937.

WARD.	NUMBER OF ROOMS.							Total
	1	2	3	4	5	6	7 & over	
Collingwood	...	26	173	98	68	7	...	372
Linskill	...	...	...	...	...	14	2	16
Percy	...	...	...	2	30	10	...	42
Preston	...	...	15	18	6	2	...	41
Dockwray	...	...	...	5	...	...	...	5
Totals	...	26	188	123	104	33	2	476

Of the above 26 two-roomed dwellings, 112 three-roomed dwellings, 36 four-roomed dwellings and 48 five-roomed dwellings were provided under the Corporation Housing Scheme.

NEW HOUSES ERECTED DURING 1937.

(A.) Total Number of Houses Erected—476.

(1) By the Local Authority	...	...	...	...	...	222
(2) By other Local Authorities	...	...	...	...	...	0
(3) By other Bodies and Persons	...	...	...	...	...	254

(B.) Houses erected with State Assistance under the Housing Acts. (Included in A.).

(1) By the Local Authority—						
(a) For the purpose of Part II. of the Act of 1925	...	...	...	...	...	Nil.
(b) For the purpose of Part III. of the Act of 1925	...	...	...	...	...	Nil.
(c) For other purposes	...	...	...	...	...	Nil.
(d) Housing Act, 1930	...	...	...	...	...	222

The above information has been supplied by the courtesy of the Borough Surveyor.

I.—Inspection of dwelling houses during the year.

(1) (a) Total number of dwelling houses inspected for housing defects (under Public Health or Housing Acts)	968
(b) Number of inspections made for the purpose	3279
(2) (a) Number of dwelling houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidation Regulations, 1925	0
(b) Number of inspections made for the purpose	0
(3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	324
(4) Number of dwelling houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	171

II.—Remedy of Defects during the year without Service of Formal Notice.

Number of defective dwelling houses rendered fit in consequence of informal action by the Local Authority, or their Officers	455
---	-----

III.—Action under Statutory Powers during the year.**(A.) Proceedings under Sections 9, 10, and 16 of the Housing Act, 1936.**

(1) Number of dwelling houses in respect of which notices were served requiring repairs	108
(2) Number of dwelling houses which were rendered fit after services of formal notices:—	
(a) By owners	121
(b) By Local Authority in default of owners ...	4

(B.) Proceedings under Public Health Acts.

(1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied	34
(2) Number of dwelling houses in which defects were remedied after service of formal notices:—	
(a) By owners	51
(b) By Local Authority in default of owners ...	0

(C.) Proceedings under Sections 11 and 13 of the Housing Act, 1936.

(1) Number of dwelling houses in respect of which Demolition Orders were made	12
(2) Number of dwelling houses demolished in pursuance of Demolition Orders	12

(D.) Proceedings under Section 12 of the Housing Act, 1936.

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made ...	7
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit ...	0

HOUSING ACT, 1936—PART IV—OVERCROWDING.

(A.) (1) Number of dwellings overcrowded at the end of the year	1,865
(2) Number of families dwelling therein	1,865
(3) Number of persons dwelling therein	*9,669

(B.) Number of new cases of overcrowding reported during the year	470
--	-----

(C.) (1) Number of cases of overcrowding relieved during the year	381
(2) Number of persons concerned in such cases	*1,777

(D.) Particulars of any cases in which dwelling houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding	Nil.
* Units as per Housing Act 1936.	

COUNTY BOROUGH OF TYNEMOUTH.
SURVEY OF OVERCROWDING. Housing Act, 1936.

WARD	Total Tenants in Wards	Privately Owned Property			Corporation Property			Slum Property			Total Property (Tenants)		
		Total Tenants	Overcrod Tenants	Per- centage	Total Tenants	Overcrod Tenants	Per- centage	Total Tenants	Overcrod Tenants	Per- centage	Total Tenants	Overcrod Tenants	Per- centage
Percy ...	2469	2302	85	3.6	46	2	4.3	121	24	19.8	2469	111	4.4
Linskill ...	2432	2425	120	4.9	7	...	...	...	...	...	2432	120	4.9
Dockwray ...	1211	676	175	25.8	72	14	19.4	463	208	44.9	1211	397	32.7
Central ...	921	560	103	18.3	18	5	27.7	343	84	24.4	921	192	20.8
Rudyerd ...	715	620	95	15.3	1	...	...	94	26	27.6	715	121	16.9
Trinity ...	1625	1597	213	13.3	2	...	...	26	9	84.6	1625	222	13.6
Milbourn ...	718	649	180	27.7	6	...	...	63	19	30.1	718	199	27.7
Preston ...	2371	2280	129	5.6	66	8	12.1	25	5	20.0	2371	142	5.9
Collingwood	5264	2793	218	7.8	2279	82	3.5	192	61	31.7	5264	361	6.8
TOTALS ...	17726	13902	1318	9.4	2497	111	4.4	1327	436	32.8	17726	1865	10.5

The Table of figures relating to the above Act, presented herewith, has been compiled from the records of actual inspection of overcrowded properties situate in the Borough during the year, on the standard of Ministry of Health Form "B" as laid down under the above Act.

The percentage of overcrowded families in the Borough for the year is 10.5% as compared with the estimate on Ministry standard (Form "A") for last year of 12.96% (see Annual Report, 1936, p. 58).

Whilst there have been no houses specifically built for Overcrowded families, the Borough Treasurer has utilised surplus houses on existing Corporation Estates for the alleviation of overcrowded tenants residing in Corporation and Privately Owned Properties, and during the year, 59 families have been suitably accommodated.

Regard should be taken of the alleviation of overcrowding in properties scheduled in Slum Clearance Areas. During the year 322 overcrowded families have been removed from Slum Areas and given ample accommodation in new houses erected under the Housing Acts.

The total overcrowded families relieved during the year was 381.

The relative proportion of overcrowding obtaining in the three groups of properties at the end of the year, was found to be:—

(1) Private	...	...	...	...	1,318
(2) Corporation	...	...	...	...	111
(3) Slum	...	...	...	...	436
					1,865

During the year 455 certificates, relating to 5,939 properties, giving the "Permitted Number" were issued to local landlords.

NUISANCES AND DEFECTS.

The following table shows the nature of nuisances and defects dealt with during the year:—

NUISANCE OR DEFECT.	DEFECTS FOUND.		
	Inspected Under Public Health Acts.		Inspected Under Housing Acts.
	Informal.	Statutory.	Statutory.
<i>Accumulations of—</i>			
Refuse or rubbish	11	—	—
Manure	2	—	—
Water	—	—	1
Earth	5	—	—
<i>Animals and Poultry—</i>			
Nuisance from	—	—	—
Offal, bones, etc.	—	—	—
<i>Buildings—</i>			
Defective ceilings	8	—	16
„ floors and skirtings	9	1	38
„ gables	4	1	7
„ doors, doorframes, etc.	13	—	97
„ roofs	34	12	85
„ windows, frames, sashes, & skylights	23	2	117
„ chimney stacks	5	3	31
„ chimney pots	7	—	7
„ fireplaces & cooking ranges	11	—	42
„ walls (external)	6	—	97
„ walls (internal)	11	1	63
„ scullery sinks	7	—	4
„ lavatory basins, baths, etc.	10	—	5
„ eaves and r.w.f. pipes	21	2	61
„ steps	3	1	14
„ (or dirty) staircases and passages	10	5	37
Dampness of walls, etc.	15	4	50
Inadequate Ventilation and lighting	5	2	34
Premises in a dirty condition	5	—	—
Unlighted and unventilated cellar	—	—	—
<i>Drainage—</i>			
Defective or obstructed drains	69	—	1
„ gullies	30	2	4
„ waterclosets, cisterns, pipes, etc.	38	4	12
„ or obstructed inspection chambers	4	1	1
Insufficient water closet accommodation	2	—	—
Replace obsolete fittings (traps etc.)	3	—	—

<i>Food Stores—</i>						
Insufficient food store	...	...	...	1	—	32
Unventilated food store	...	...	...	—	—	18
Defective food store	...	...	...	—	1	30
<i>Limewashing</i>				2	—	—
<i>Miscellaneous Nuisances—</i>						
Offensive smells	...	...	...	4	—	—
Smoke Nuisance	...	...	...	6	2	—
Verminous premises	...	...	...	5	—	1
Infestation by rats and mice	...	...	...	2	—	—
Defective manure pits	...	...	...	4	—	—
<i>Outhouses and Offshoots—</i>						
Defective structures	...	...	...	23	2	39
Insufficient coal-store	...	...	...	1	—	1
<i>Refuse Receptacles—</i>						
Insufficient	...	...	...	3	1	—
Defective condition of ash-pits	...	...	...	2	—	—
<i>Wash-houses—</i>						
Defective structure	...	...	...	3	3	25
„ set pots, furnaces etc.	...	...	...	7	1	18
„ washing bench	...	...	...	—	—	2
Dirty wash-house	...	...	...	1	—	—
Insufficient washing accommodation	...	...	...	—	—	1
<i>Water Supply—</i>						
Insufficient	...	...	...	1	—	1
Disused wells	...	...	...	—	—	—
Defective pipes	...	...	...	2	—	—
Poor Pressure	...	...	...	—	—	—
No water supply	...	...	...	4	—	—
<i>Yards—</i>						
Defective surfaces	...	...	...	7	—	30
„ yard walls	...	...	...	1	1	27
„ yard gates	...	...	...	3	1	13
Dirty condition of yard	...	...	...	2	—	—
Totals				455	53	1062

NUISANCES AND DEFECTS REMEDIED DURING 1937.

The following table shows the total number of nuisances and defects remedied during the year and also the number still outstanding at the end of 1937 and carried forward to 1938 for attention.

	Public Health Acts. Housing Acts		
	INFORMAL	STATUTORY	STATUTORY
No. of defects remedied under outstanding 1936 notices ...	49	30	558
Defects (informal notices) transferred to Statutory notices	86	—	—
No. of defects remedied under notices served in 1937 ...	273	55	449
No. of defects outstanding and transferred to 1938 for attention	143	7	608

SUMMARY OF WORK DONE BY SANITARY INSPECTORS.

Premises where work has been carried out by Verbal notice ... 251

Complaints.

Matters referred to other Departments	44
Complaints received	565
Complaints confirmed	434
Nuisances found	355

SYNOPSIS OF INSPECTION WORK.

Total number of Inspections made	7424
Total number of Re-Inspections made	3062

Dwelling Houses.

	Inspections.	Re-Inspections.
Ordinary	473	4
Infectious Disease	472	57
Housing Act 1930 (Sec. 17, 18 & 23) ...	171	519
Housing Act 1930 (Special Surveys Clearance Areas)	324	1788
Housing Act (Overcrowding)	562	216

Sanitary Conveniences.

Water Closets	103	33
Privies and Tub Closets	—	—
Urinals	14	—

Refuse Storage.

Accumulation	36	15
Ash-bins	8	—
Ash-places	2	1

Drains.

						Inspections.	Re-Inspections.
Inspections	...	...	...	...	...	159	64
Smoke tests	...	...	...	...	...	38	7
Chemical tests	...	...	...	...	...	27	6
Water tests	...	...	...	...	...	35	5

Sewers, Etc.

Sewers	...	...	...	...	...	84	18
Cesspools	...	...	...	...	...	3	—

Factories and Workshops, Etc.

Factories	...	...	...	...	...	30	8
Workshops (excluding Bakehouses)	...	...	...	...	...	47	6
Workshops (including Stables, Restaurant kitchens, etc.)	...	...	...	...	...	—	3
Bakehouses (Factory)	...	...	...	...	...	27	1
Bakehouses (Non-factory)	...	...	...	...	...	25	3
Work-places	...	...	...	...	...	14	3
Outworkers	...	...	...	...	...	3	—

Miscellaneous.

Butchers' shops	...	...	...	...	...	204	23
Cowsheds	...	...	...	...	...	88	4
Dairies, Milk Shops and Stores	...	...	...	...	...	371	150
Dangerous Structures	...	...	...	...	...	4	—
Entertainment Houses	...	...	...	...	...	5	—
Fish Merchants' Shops and Stores	...	...	...	...	...	34	1
Houses let in Lodgings	...	...	...	...	...	5	1
Ice Cream Premises	...	...	...	...	...	481	1
Lodging Houses	...	...	...	...	...	23	4
Meetings with Owners or Tradesmen	...	...	...	...	...	389	12
Miscellaneous Visits	...	...	...	...	...	477	9
Offensive Trades, including Fish Frying	...	...	...	...	...	92	16
Piggeries	...	...	...	...	...	—	—
Slaughterhouses, Private	...	...	...	...	...	967	1
Special Notices of Slaughter	...	...	...	...	...	49	—
Smoke Observation	...	...	...	...	...	1	—
Shops Act Inspections	...	...	...	...	...	102	—
Special Visits	...	...	...	...	...	183	—
Sanitary Inspections	...	...	...	...	...	381	52
Van Dwellings	...	...	...	...	...	2	—
Visits under Rat & Mice Destruction Act	...	...	...	...	...	38	29
Cooked Food Preparers	...	...	...	...	...	871	2
Totals	...	...	...	...	...	7,424	3,062

Appendix.

TABLE I.
Vital Statistics of Whole District during 1937 and previous Years.

YEAR.	Popula- tion estimated to middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.		TRANSFERABLE DEATHS.		NETT DEATHS BELONGING TO THE DISTRICT.				
		Un- correct'd Number. R.G.	Nett.		Number.	Rate.	of Non- residents register'd in the District.	of Resi- dents not registered in the District.	Under 1 Year of Age.			
			Number.	Rate.					Number.	Rate per 1,000 Nett Births.		
1928	66030	1251	1252	18.90	996	15.1	211	48	108	86	833	12.62
1929	65880	1266	1203	18.26	1029	15.6	215	48	115	95	862	13.08
1930	65880	1217	1280	19.41	931	14.1	179	35	80	63	787	11.94
1931	64720	1324	1276	19.71	950	14.7	173	37	102	80	814	12.57
1932	65630	1266	1238	18.86	890	13.6	179	37	86	69	748	11.4
1933	65770	1137	1135	17.25	1063	16.1	238	48	96	84	873	13.27
1934	65950	1233	1172	17.77	1022	15.5	229	47	85	77	840	12.73
1935	67350	1242	1201	17.38	1033	15.3	255	46	76	63	824	12.23
1936	66800	1256	1209	18.1	1022	15.3	286	37	78	65	773	11.57
1937	66880	1136	1087	16.25	1135	16.9	323	46	72	66	858	12.83

Area of District in acres (exclusive of area covered by water), 4,604.

Total population at all ages, 64,922.
Population in private families, 62,058.
Number of private families, 16,079.
Average number of persons per family, 3.86
Number of dwelling-houses, 13,635.
Number of inhabited dwelling-houses, 13,338

At Census of 1931.

TABLE II.

Causes of, and Age at Death during the Year 1937.

Causes of Death.	ALL AGES	Nett Deaths at the Subjoined ages, of "Residents" whether occurring within or without the District.									Total Deaths whether of "Residents" or "Non- Residents" in Institutions in the District.
		Under 1 year	1 and under 2 years.	2 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and under 75 years.	75 and over.	
All Causes { Certified ...	805	66	12	13	16	34	70	237	175	18	619
{ Uncertified ...	53	6	...	1	1	1	2	23	11	8	2
1 Typhoid and Paratyphoid Fever	...	...	...	...	...	...	...	...	...	...	...
2 Measles	4	2	1	1	...	...	...	...	...	...	3
3 Scarlet Fever	1	...	1	...	...	...	...	...	...	...	...
4 Whooping cough	4	3	1	...	...	...	...	...	...	...	2
5 Diphtheria	7	2	...	3	2	...	...	...	...	...	5
6 Influenza	27	...	...	...	...	1	5	9	5	7	12
7 Encephalitis lethargica	1	...	...	...	...	...	...	...	1	...	5
8 Cerebro spinal fever	2	1	1	...	...	...	...	...	...	...	1
9 Tuberculosis of respiratory system... ..	56	...	...	1	1	17	21	16	...	...	48
10 Other Tuberculous diseases	9	...	1	...	2	1	5	...	...	...	8
11 Syphilis	4	...	...	...	...	..	1	3	...	...	4
12 General Paralysis of the insane tabes dorsalis	5	...	...	...	...	...	...	4	1	...	8
13 Cancer, malignant disease	130	..	...	...	...	1	9	51	30	12	63
14 Diabetes	10	...	...	1	...	1	...	4	2	2	13
15 Cerebral hæmorrhage, &c.	57	...	..	...	...	...	...	22	18	17	23
16 Heart disease	190	...	...	...	2	4	7	59	52	66	143
17 Aneurysm	...	...	...	...	...	...	...	...	...	...	...
18 Other circulatory diseases	46	...	...	...	...	...	1	12	15	18	53
19 Bronchitis	58	5	1	1	...	1	2	19	13	16	21
20 Pneumonia (all forms)	55	17	3	3	1	1	5	9	7	9	38
21 Other respiratory diseases ..	10	...	...	...	1	...	2	2	4	1	3
22 Peptic ulcer	6	...	...	...	...	...	...	6	...	...	5
23 Diarrhœa, &c., (under 2 yrs.)	11	10	1	...	...	...	...	...	...	...	10
24 Appendicitis	1	...	...	...	...	...	...	1	...	...	1
25 Cirrhosis of liver	4	...	...	...	...	...	...	4	...	...	2
26 Other diseases of liver, &c.	1	...	...	...	...	...	...	...	...	1	2
27 Other digestive diseases	5	...	...	...	2	...	...	3	...	...	4
28 Acute and chronic nephritis	21	...	...	...	...	...	1	7	12	1	16
29 Puerperal sepsis	1	...	...	...	...	...	1	...	...	...	3
30 Other puerperal causes	1	...	...	...	...	...	1	...	...	...	1
31 Congenital debility, prema- ture birth malformation, &c.	25	25	...	...	...	...	...	...	...	...	8
32 Senility	31	...	...	...	...	...	..	2	6	23	29
33 Snicide	8	...	...	...	...	...	2	2	3	1	2
34 Other Deaths, from violence	19	..	1	...	1	2	2	5	3	5	32
35 Other defined diseases	51	5	1	2	4	5	6	9	10	9	52
36 Causes ill-defined or unknown	24	2	...	2	1	1	1	11	4	2	1
TOTALS ...	858	72	12	14	17	35	72	260	186	190	621
Sub Entries (included in above figures):—											
20a Pneumonia (lobar)	12	3	...	...	...	...	2	3	4	...	8
35a Rheumatic fever	1	...	...	...	..	1	...	...	...	...	...
35a Erysipelas	...	...	...	...	...	...	...	...	...	...	1
Gonoc. Oph. ..	1	1	...	...	...	...	...	...	...	..	2
Silicosis	1	...	...	...	...	...	...	1	...	...	...
Chton. Rheum.	1	...	...	...	...	1	...	...	...	...	...

TABLE IIa.

Causes of Death during the Year 1937.

Allocated to the Wards in which they occurred.

CAUSES OF DEATH.				WARDS.									
				All Ages.	Central.	Collingwood	Dockway.	Linskill.	Milbourn.	Percy.	Preston.	Rudyard.	Trinity.
All Causes	{ Certified Uncertified	...	805	50	217	58	95	49	105	121	45	75	
		...	53	2	16	4	9	1	3	9	2	7	
1 Typhoid and paratyphoid fever				...	...	...	...	...	...	...	...	...	
2 Measles				4	...	1	2	...	1	...	...	...	
3 Scarlet fever				1	...	...	...	...	...	...	1	...	
4 Whooping cough				4	...	2	...	...	1	1	...	...	
5 Diphtheria				7	...	1	...	2	1	...	1	1	
6 Influenza				27	2	5	...	4	1	5	4	1	5
7 Encephalitis lethargica				1	...	...	...	...	...	...	...	1	
8 Cerebro spinal fever				2	...	2	...	...	...	...	...	...	
9 Tuberculosis of respiratory system				56	4	20	5	3	7	5	4	3	5
10 Other tuberculous diseases				9	...	3	1	1	1	2	...	...	1
11 Syphilis				4	...	...	...	...	...	2	...	1	1
12 General paralysis of the insane tabes dorsalis				5	1	2	...	...	...	1	...	1	...
13 Cancer, malignant disease				103	7	28	4	15	5	16	14	5	9
14 Diabetes				10	...	6	...	...	...	2	1	...	1
15 Cerebral hæmorrhage, &c.				57	4	13	2	5	7	7	11	3	5
16 Heart disease				190	10	50	13	25	10	29	28	7	18
17 Aneurysm				...	...	...	...	...	...	...	...	...	...
18 Other circulatory diseases				46	...	15	2	1	2	10	6	4	6
19 Bronchitis				58	9	14	5	3	3	3	10	3	8
20 Pneumonia all forms				55	3	18	6	5	1	7	8	2	5
21 Other respiratory diseases				10	...	1	1	3	...	1	2	1	1
22 Peptic ulcer				6	1	1	1	1	1	...	1	...	...
23 Diarrhœa, &c. (under 2 years)				11	1	3	2	...	3	1	...	...	1
24 Appendicitis				1	...	...	...	...	...	...	...	...	1
25 Cirrhosis of liver				4	...	...	2	1	...	...	...	1	...
26 Other diseases of liver, &c.				1	..	...	...	1	...	...	...	...	...
27 Other digestive diseases				5	...	1	...	2	1	...	...	...	1
28 Acute and chronic nephritis				21	1	4	2	1	2	2	4	3	2
29 Puerperal sepsis				1	...	...	...	1	...	...	...	...	...
30 Other puerperal causes				1	...	...	...	1	...	...	...	...	...
31 Congenital debility, premature birth, malformation, &c.				25	...	10	3	5	...	1	4	1	1
32 Senility				31	3	5	2	9	1	2	4	2	3
33 Suicide				8	...	3	...	2	...	1	1	1	...
34 Other deaths from violence				19	1	4	2	2	2	2	3	1	2
35 Other defined diseases				51	3	16	5	7	...	7	7	4	2
36 Causes ill-defined or unknown				24	2	5	2	4	...	1	7	1	2
TOTAL				858	52	233	62	104	50	108	120	47	82
Sub-Entries included in above figures.—													
20a Pneumonia (lobar)				12	1	3	1	1	...	1	3	...	2
35a Rheumatic fever				1	1	...	...	...	...	...	...	...	...
35a Erysipelas				...	...	...	...	...	...	...	...	...	...
Gonoc, Oph.				1	...	...	...	...	...	...	...	1	...
Silicosis				1	...	...	1	...	...	...	...	...	...
Chron, Rheum, ...				1	...	...	..	...	...	...	1	...	...

TABLE III.

Infantile Mortality during the Year 1937.

Nett Deaths from stated Causes at various Ages under One Year of Age.

CAUSES OF DEATH.				Under 1 Week	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 4 Weeks.	4 Weeks and under 3 Months.	3 Months and under 6 Months.	6 Months and under 9 Months	9 Months and under 12 Months.	Total Deaths under 1 Year.
All Causes	{	Certified	...	9	4	3	1	17	13	16	10	10	66
		Uncertified	...	4	...	...	...	4	2	...	...	...	6
{	Smallpox	...	...	...	...	...	...	...	...	...	...	...	...
	Chickenpox	...	...	...	...	...	...	...	...	...	...	...	...
	Measles	...	...	...	...	...	...	...	...	1	...	1	2
	Scarlet fever	...	...	...	...	...	...	...	...	...	...	...	...
	Whooping Cough	...	...	...	...	...	...	...	2	...	1	...	3
{	Diphtheria and croup		...	...	...	...	...	...	1	...	...	1	2
	Erysipelas	...	...	...	...	...	...	...	...	...	...	...	...
{	Tuberculous meningitis		...	...	...	...	...	...	...	...	...	...	...
	Abdominal tuberculosis		...	...	...	...	...	...	...	...	...	...	...
	Other tuberculous diseases		...	...	...	...	...	...	...	...	...	...	...
{	Meningitis (not tuberculous)		...	...	...	...	...	...	...	...	...	...	...
	Convulsions	...	...	1	...	...	...	1	1	2	1	...	5
{	Laryngitis	...	...	...	...	...	...	...	...	...	...	...	...
	Bronchitis	...	...	...	...	...	...	...	1	3	...	...	4
{	Pneumonia (all forms)		...	...	...	1	1	2	5	3	3	4	17
	Diarrhoea	...	...	...	...	...	...	...	1	...	2	1	4
{	Enteritis	...	...	...	...	...	...	...	1	3	1	1	6
	Gastritis	...	...	...	...	...	...	...	...	...	...	...	...
{	Syphilis	...	...	...	...	...	...	...	1	...	...	...	1
	Rickets	...	...	...	...	...	...	...	...	...	...	...	...
{	Suffocation, overlying		...	...	...	...	...	...	...	...	...	...	...
	Injury at birth	...	...	...	...	...	...	...	...	...	...	...	...
{	Atelectasis		...	...	1	...	...	1	...	...	...	...	1
	Congenital malformation	...	...	2	...	...	...	2	...	...	...	...	2
{	Premature birth	...	...	6	2	1	...	9	1	1	...	...	11
	Atrophy, debility, and marasmus	...	...	2	1	...	...	3	1	...	...	1	5
{	Other causes	...	...	1	1	1	...	3	...	3	2	1	9
	Influenza	...	...	...	...	...	...	...	...	...	...	...	...
Totals				13	4	3	1	21	15	16	10	10	72

Nett Births in the year :—Legitimate, 1,043; Illegitimate, 44.

Nett Deaths in the year, of { Legitimate infants, 67.
 { Illegitimate do. 5.

TABLE IIIA.

Infantile Mortality During the Year 1937.

Allocated to the Wards in which they occurred.

CAUSES OF DEATH.			Total Deaths under 1 Year.	WARDS.								
				Central.	Collingwood.	Dockwary.	Linskill.	Milbourn.	Percy.	Preston.	Rudyerd.	Trinity.
				1	2	3	4	5	6	7	8	9
All Causes :—Certified	...	66	2	25	10	5	5	4	7	3	5	
Uncertified	...	6	...	1	1	2	...	...	1	...	1	
Smallpox	...	...	...	...	...	...	...	...	...	...	...	
Chickenpox	...	...	...	...	...	...	...	...	...	...	...	
Measles	...	2	...	1	1	...	...	...	...	...	...	
Scarlet fever	...	...	...	...	...	...	...	...	...	...	...	
Whooping cough	...	3	...	2	...	...	1	...	...	...	...	
Diphtheria and croup	...	2	...	1	...	1	...	...	...	...	...	
Erysipelas	...	...	...	...	...	...	...	...	...	...	...	
Tuberculous meningitis	...	...	...	...	...	...	...	...	...	...	...	
Abdominal tuberculosis	...	...	...	...	...	...	...	...	...	...	...	
Other tuberculous diseases	...	...	...	...	...	...	...	...	...	...	...	
Meningitis (not tuberculous)	...	...	...	...	...	...	...	...	...	...	...	
Convulsions	...	5	...	3	...	1	...	...	1	...	...	
Laryngitis	...	...	...	...	...	...	...	...	...	...	...	
Bronchitis	...	4	...	1	2	...	1	...	...	...	...	
Pneumonia (all forms)	...	17	...	5	3	...	...	2	3	1	3	
Diarrhœa	...	4	...	1	...	...	2	...	...	...	1	
Enteritis	...	6	1	2	1	...	2	...	...	...	...	
Gastritis	...	...	...	...	...	...	...	...	...	...	...	
Syphilis	...	1	...	...	...	...	...	...	...	...	1	
Rickets	...	...	...	...	...	...	...	...	...	...	...	
Suffocation, overlying	...	...	...	...	...	...	...	...	...	...	...	
Injury at birth	...	...	...	...	...	...	...	...	...	...	...	
Atelectasis	...	1	...	...	...	...	...	...	1	...	...	
Congenital malformation	...	2	...	...	...	1	...	...	1	...	...	
Premature birth	...	11	...	6	1	2	...	...	1	1	...	
Atrophy, debility and marasmus	...	5	...	1	1	1	...	1	1	...	...	
Other causes	...	9	1	3	2	1	...	...	...	1	1	
Influenza	...	...	...	...	...	...	...	...	...	...	...	
Total Deaths	...	72	2	26	11	7	5	4	8	3	6	
Births	...	*1087	70	371	91	93	64	90	105	53	90	
Infantile Mortality Rate	...	66	29	70	121	75	78	44	76	57	67	

* Includes 60 Inward transfers.

TABLE IV.

Registrar General's List of Causes of Death at different periods of life in the County Borough of Tynemouth during 1937.

MALES.

CAUSES OF DEATH.			TOTAL All Ages	0-	1-	2-	5-	15-	25-	35-	45-	55-	65-	75
All Causes	...	..	490	45	6	3	12	17	15	17	62	105	117	91
1 Typhoid and paratyphoid fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2 Measles	...	...	2	1	1	...	...	...	...	...	...	...	...	...
3 Scarlet fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4 Whooping cough	...	...	3	2	1	...	...	...	...	...	...	...	...	...
5 Diphtheria	...	...	3	1	...	1	1	...	...	...	...	...	...	...
6 Influenza	...	...	16	...	...	...	...	1	...	1	5	4	2	3
7 Encephalitis lethargica	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8 Cerebro spinal fever	...	...	1	1	...	...	...	...	...	...	...	...	...	...
9 Tuberculosis of respiratory system	...	...	34	...	...	...	...	7	6	7	8	5	1	...
10 Other tuberculous diseases	...	...	5	...	...	...	2	2	...	1	...	...	...	...
11 Syphilis	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12 General paralysis of the insane, tabes dorsalis...	...	...	5	...	...	...	...	...	...	...	1	3	1	...
13 Cancer, malignant disease	...	...	64	...	...	...	1	1	...	3	6	25	23	5
14 Diabetes	...	...	4	...	...	...	...	...	...	...	1	...	2	1
15 Cerebral hæmorrhage,	...	...	29	...	...	...	...	...	...	...	4	10	7	8
16 Heart disease	...	...	111	...	...	...	1	...	2	...	12	28	34	34
17 Aneurysm	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18 Other circulatory diseases	...	...	28	...	...	...	...	...	...	...	1	5	12	10
19 Bronchitis	...	...	32	4	...	...	...	1	...	3	4	5	10	5
20 Pneumonia all forms	...	...	24	8	1	...	1	1	3	...	1	2	4	3
21 Other respiratory diseases	...	...	8	...	...	...	1	...	...	...	2	2	1	2
22 Peptic ulcer	...	...	5	...	...	...	...	...	...	...	3	2	...	...
23 Diarrhœa, etc.	...	...	8	5	...	...	2	...	...	...	1	...	...	...
24 Appendicitis	...	...	1	...	...	...	...	...	...	...	...	1	...	...
25 Cirrhosis of liver	...	...	3	...	...	...	...	...	...	...	2	1	...	...
26 Other diseases of liver, etc.	...	...	2	...	...	...	...	...	1	...	...	...	1	...
27 Other digestive diseases...	...	...	6	1	1	1	1	...	...	...	...	1	...	1
28 Acute and chronic nephritis	...	...	13	...	...	...	...	...	...	1	3	1	8	...
29 Puerperal sepsis...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30 Other puerperal causes...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31 Congenital debility, premature birth, malformation, etc.	...	...	14	14	...	...	...	...	...	...	...	...	...	...
32 Senility	...	...	10	...	...	...	...	...	...	...	...	...	2	8
33 Suicide...	...	...	6	...	...	...	...	...	1	...	...	1	3	1
34 Other deaths from violence	...	...	12	...	1	...	1	2	2	1	1	4	...	...
35 Other defined diseases	...	...	33	7	1	1	...	2	...	...	5	3	5	9
36 Causes ill defined or unknown	...	...	8	1	...	...	1	...	...	...	2	2	1	1

Deaths under one year of age:—Legitimate children, 42; Illegitimate children, 3.

TABLE IVA.

Registrar General's List of Causes of Death at different periods of life in the County Borough of Tynemouth during 1937.

FEMALES.

CAUSES OF DEATH.			TOTAL All Ages	0-	1-	2-	5-	15-	25-	35-	45-	55-	65-	75-
All Causes	...	...	375	27	6	11	5	17	19	22	37	61	71	99
1 Typhoid and paratyphoid fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2 Measles	...	...	2	1	...	1	...	...	...	...	...	...	...	...
3 Scarlet fever	...	...	1	...	1	...	...	...	...	...	...	...	...	...
4 Whooping cough	...	...	1	1	...	...	...	...	...	...	...	...	...	...
5 Diphtheria	...	...	4	1	...	2	1	...	...	...	...	...	...	...
6 Influenza	...	...	11	...	...	...	...	...	1	3	...	2	2	3
7 Encephalitis lethargica	...	...	1	...	...	...	...	...	...	...	...	...	1	...
8 Cerebro spinal fever	...	...	1	...	1	...	...	...	...	...	...	...	...	...
9 Tuberculosis of respiratory system	...	...	20	...	...	1	...	9	8	...	1	1	...	...
10 Other tuberculous diseases	...	...	6	...	1	...	1	...	3	1	...	...	...	...
11 Syphilis	...	...	3	...	...	...	...	...	...	1	2	...	...	...
12 General paralysis of the insane, tabes dorsalis	...	...	1	...	...	...	...	...	...	...	...	1	...	...
13 Cancer, malignant disease	...	...	41	...	...	...	...	...	1	6	4	16	7	7
14 Diabetes	...	...	10	...	...	1	...	1	...	...	1	2	3	2
15 Cerebral hæmorrhage, &c.	...	...	25	...	...	...	...	...	...	...	4	5	8	8
16 Heart disease	...	...	78	...	...	...	1	4	...	5	4	14	21	29
17 Aneurysm	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18 Other circulatory diseases	...	...	14	...	...	...	...	...	1	...	1	2	2	8
19 Bronchitis	...	...	27	1	1	1	...	...	...	...	4	3	5	12
20 Pneumonia (all forms)	...	...	31	10	2	3	...	...	...	2	2	3	4	5
21 Other respiratory diseases	...	...	4	...	...	...	...	...	...	1	1	1	...	1
22 Peptic ulcer	...	...	2	...	...	...	...	...	...	...	1	...	1	...
23 Diarrhœa, etc	...	...	5	3	...	...	...	...	...	...	1	1	...	...
24 Appendicitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25 Cirrhosis of liver	...	...	1	...	...	...	...	...	...	...	1	...	...	...
26 Other diseases of liver, etc.	...	...	2	...	...	...	...	...	...	...	...	...	1	1
27 Other digestive diseases	...	...	3	...	...	...	...	...	...	...	2	1	...	...
28 Acute and chronic nephritis	...	...	11	...	...	1	...	...	...	...	2	2	5	1
29 Puerperal sepsis	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30 Other puerperal causes	...	...	2	...	...	...	...	...	1	1	...	...	...	...
31 Congenital debility, premature birth, malformation, etc.	...	...	6	6	...	...	...	...	...	...	...	...	...	...
32 Senility	...	...	17	...	...	...	...	...	...	...	...	2	2	13
33 Suicide	...	...	2	...	...	...	...	...	...	1	1	...	...	...
34 Other deaths from violence	...	...	9	...	...	...	...	...	...	...	...	...	3	6
35 Other defined diseases	...	...	33	4	...	...	2	3	4	1	5	5	6	3
36 Causes ill-defined or unknown	...	...	1	...	...	1	...	...	...	...	...	...	...	...

Deaths under one year of age :—Legitimate children, 25; Illegitimate children, 2.

TABLE V.

PRESTON HOSPITAL.

Statistics relating to the Period from the 1st January to the
31st December, 1937.

IN-PATIENTS.

From Tynemouth County Borough and Northumberland County
Council.

	County Borough.	County Council.
1. Total Number of Admissions	1340	862
2. Number of women confined in hospital	75	25
3. Number of live births	71	24
4. Number of still births	5	2
5. Number of deaths among newly-born (i.e., under four weeks of age)	5	1
6. Total number of deaths among children under one year	29	8
7. Number of Maternal deaths	—	—
8. Total number of deaths	226	274
9. Number of patients discharged	1074	594
10. Average duration of stay of patients included in 8 and 9 above :—		
(a) Four weeks or less	821	484
(b) Exceeding four weeks but under thirteen weeks	327	255
(c) Exceeding thirteen weeks	152	129
11. Number of beds occupied :—		
(a) average during the period	377	
(b) highest 399 on 22/7/37		
(c) lowest 341 on 31/8/37		
12. Number of surgical operations under general anaesthetic (excluding dental operations) ...	20	12
13. Number of abdominal sections	9	5

TABLE VA.
PRESTON HOSPITAL.
Table showing the classification of the accommodation for **SICK, MATERNITY, and MENTAL CASES**, and the **Number of Beds** occupied on the **31st December, 1937.**

Classification of Wards.		Number of Wards.	BEDS.									
			MEN.		WOMEN.		CHILDREN (under 16 years of age).		Total.		Pro- vided. (9)	Occu- pied. (10)
			Pro- vided. (3)	Occu- pied. (4)	Pro- vided (5)	Occu- pied. (6)	Pro- vided. (7)	Occu- pied. (8)				
1	Medical	...	...	B. 31	...	B. 20	...	B. 29	B	...	...	B
2	Surgical	...	84	30	81	22	70	12	80	235	4	84
3	Chronic sick	...	58	11	28	8	...	5	49	86	...	24
4	Children (included in 1-2)	...	...	22	...	25	...	...	25	...	...	47
5	Venereal	...	...	...	...	...	...	...	...	...	...	...
6	Tuberculosis	...	6	1	4	...	...	2	2	10	2	2
7	Isolation	...	40	14	26	11	25	18	37	91	...	30
8	Maternity	...	...	...	...	...	...	...	...	...	...	...
9	Mental—	...	...	...	12	5	...	...	5	12	...	5
	(a) Lunacy Act, 1890.	...	...	...	...	...	...	...	...	...	...	...
	(i) Short stay	...	2	2	2	2	...	...	...	4	...	...
	(ii) Long stay	...	...	...	...	...	...	...	...	...	...	...
	(b) Mental Treatment Act, 1930	...	...	...	...	...	...	...	...	...	...	...
	(i) Voluntary	...	...	...	...	...	...	...	...	...	...	...
	(ii) Temporary	...	...	...	...	...	...	...	...	...	...	...
10	Mental defectives	...	...	3	...	1	...	1	5	...	...	6
11	Other...	...	...	...	...	...	...	...	...	...	...	...
	TOTAL	...	190	77	153	74	95	75	203	438	...	182

B.—County Borough of Tynemouth.
C.—County Council of Northumberland.

TABLE VB.

PRESTON HOSPITAL.

Classification of In-Patients from Tynemouth County Borough and Northumberland County Council, who were discharged from, or who died, in the Institution during the Period 1st January to 31st December, 1937.

Disease Groups.	Children under 16 years of age).		Men and Women.	
	C.B.	C.C.	C.B.	C.C.
A. Acute infectious disease	18	3	5	4
B. Influenza	3	...	9	4
C. Tuberculosis—Pulmonary	9	1	11	30
Non-pulmonary	7	1	4	17
D. Malignant disease	...	...	10	10
E. Rheumatism—				
(1) Acute rheumatism (rheumatic fever) together with sub-acute rheumatism and chorea. ...	3	2	6	3
(2) Non-articular manifestations of so-called 'Rheumatism' (muscular rheumatism, fibrositis, lumbago and sciatica)	...	...	9	6
(3) Chronic arthritis	...	...	2	5
F. Venereal disease	1	...	24	6
G. Puerperal pyrexia	...	...	2	...
H. Puerperal fever	...	...	...	...
I. Other diseases and accidents connected with child bearing	...	...	11	5
J. Mental diseases	2	5	74	77
K. Senile decay	...	...	10	16
L. Violence	...	...	24	8
<i>In respect of cases not included above—</i>				
M. Disease of the Nervous System and Sense Organs	13	3	46	43
N. Disease of the Respiratory System ..	57	4	61	40
O. Circulatory System	2	1	48	62
P. Digestive System	34	2	37	39
Q. Genito-urinary System	7	...	24	29
R. Skin	52	7	20	17
S. Other diseases	53	2	106	87
T. { Mothers	...	1	87	29
{ Infants	66	23	...	...
U. Others	13	1	...	1
Totals	440	56	634	538

TABLE Vc.

Number of Beds available for the Treatment of Tuberculosis, on the 31st December, 1937, in Poor Law Institutions belonging to the Council.

Name of Institution.	For Pulmonary and Non-Pulmonary Cases.		Total.
	Adults.	Children under 15.	
Preston Hospital	66	25	91

TABLE VD.
Tuberculosis

Return showing the Extent of Residential Treatment provided during the year in Preston Hospital for persons chargeable to the Tynemouth Council and to Northumberland County Council.

	In Institutions on January 1st 1937.		Admitted during the year.		Discharged during the year.		Died in the Institution.		In Institutions on December 31st, 1937.	
	Boro.	County	Boro.	County	Boro.	County	Boro.	County	Boro.	County
Number of patients suffering from pul- monary tuberculosis admitted for treatment.	7	8	19	27	7	15	8	12	11	8
	Adult Males									
	Adult Females	2	9	10	4	15	5	9	3	8
	Children	9	1	7	9	1	2	—	5	2
Total	18	18	36	52	20	31	15	21	19	18
Number of patients suffering from non- pulmonary tuberculosis admitted for treatment.	1	6	8	12	3	12	2	—	4	6
	Adult Males									
	Adult Females	1	3	1	6	1	—	1	1	3
	Children	12	4	10	1	7	—	1	13	3
Total	14	13	19	19	11	18	4	2	18	12
TOTALS	32	31	55	71	31	49	19	23	37	30
GRAND TOTALS	63		126		80		42		67	

TABLE VE.
TREATMENT OF CANCER. (Form Hosp. 7).
STATEMENT OF CANCER PATIENTS FOR 1937.
PRESTON HOSPITAL.

Site of Disease.	I. Patients admitted after previous advice or treatment at another hospital providing radiation as well as operative treatment		II. Patients admitted after previous advice or treatment at another hospital providing operative but not radiation treatment				III. Patients admitted without previous advice or treatment at another hospital	
	Total number 24		Total Number 14				Total number 24	
	(a) Numbers treated at that hospital	(b) Numbers not treated at that hospital	(a) Numbers retained in Council's hospital	(b) Numbers referred for advice and/or treatment to a hospital providing radiation treatment	(a) Numbers retained in Council's hospital	(b) Numbers referred for advice and/or treatment to a hospital providing radiation treatment	(i) Hospital providing operative treatment	(ii) Hospital providing radiation as well as operative treatment
Uterus	B. 2	C. 2	B. 1	C. 1	B. 1	C. 1	B. 2	C. 1
Tongue & Mouth	B. 1	C. 1	B. 1	C. 1	B. 1	C. 1	B. 1	C. 1
Breast	B. 1	C. 1	B. 1	C. 1	B. 1	C. 1	B. 1	C. 1
Lip	B. 1	C. 1	B. 1	C. 1	B. 1	C. 1	B. 1	C. 1
Skin	B. 1	C. 1	B. 1	C. 1	B. 1	C. 1	B. 1	C. 1
Larynx	B. 1	C. 1	B. 1	C. 1	B. 1	C. 1	B. 1	C. 1
Bladder	B. 1	C. 1	B. 1	C. 1	B. 1	C. 1	B. 1	C. 1
Rectum	B. 1	C. 1	B. 1	C. 1	B. 1	C. 1	B. 1	C. 1
Other sites	B. 1	C. 1	B. 1	C. 1	B. 1	C. 1	B. 1	C. 1
TOTAL	5	11	1	7	2	5	12	2

There is no out-patient department attached to the hospital and the facilities are for surgical and radiological diagnosis only.

There are no existing agreements with voluntary hospitals. Operative cases are referred to the Royal Victoria Infirmary, Newcastle-upon-Tyne and the Tynemouth Victoria Jubilee Infirmary, North Shields. *The following donations are paid annually to the respective Infirmarys, viz:

Royal Victoria Infirmary, Newcastle ... £15 15 0

Tynemouth Victoria Jubilee Infirmary ... £10 10 0

Radium treatment is provided at the Royal Victoria Infirmary, Newcastle-upon-Tyne.

* Cases are also sent to Newcastle General Hospital at an agreed rate.

TABLE VI.

Cases of Infectious Disease notified during the Year 1937.

NOTIFIABLE DISEASE.	NUMBER OF CASES NOTIFIED.							TOTAL CASES NOTIFIED IN EACH WARD.										HOSPITALS & SANATORIA where cases were treated								
	At Ages—Years.							At all Ages.	1	2	3	4	5	6	7	8	9	TOTAL CASES REMOVED TO HOSPITAL UNDER PUBLIC HEALTH AND SPECIAL ACTS.	Moor Park Hospital (68 Beds)	Catterick Military Hospital	Preston Hospital (Poor Law)	Jubilee Infirmary	Stanhope Sanatorium (6 Beds)	Woolley (2 Beds)	Stunnington Sanat. (6 Beds)	Frater Maternity Home.
	Under 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	65 and upwards.																			
Dysentery ...	...	...	1	...	1	...	...	2	1	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...
Enteric fever ...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ophthalmia neonatorum ...	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet fever ...	159	24	116	15	4	...	...	61	19	27	18	3	10	19	...	3	126	126	...	...	...	...	...	...	...	...
Diphtheria ...	101	17	65	13	4	1	...	41	1	18	6	2	6	10	...	4	94	94	...	...	...	...	...	...	...	...
Erysipelas ...	31	...	1	3	7	13	7	6	6	6	4	4	4	4	...	...	7	...	...	...	...	...	...	...	...	...
Pneumonia ...	70	16	9	5	16	11	9	19	3	6	6	12	8	8	...	...	...	...	...	...	...	...	...	...	...	...
Influenzal pneumonia ...	16	...	2	3	4	5	2	3	3	...	1	1	2	7	...	...	1	...	...	...	...	...	...	...	...	...
Cerebro spinal fever ...	3	1	1	...	...	...	...	3	...	...	...	...	...	...	...	...	7	...	...	...	...	...	...	...	...	...
Puerperal pyrexia ...	8	...	...	5	3	...	...	2	...	...	...	...	...	...	...	...	67	...	...	...	...	...	...	...	...	...
Pulmonary tuberculosis	75	1	12	13	30	19	...	18	6	9	9	8	9	10	2	2	67	28	30	...	...	...	4	1	...	...
Non-Pulmonary tuberculosis...	29	6	14	5	4	...	...	5	3	1	1	7	3	4	1	...	12	...	11	...	...	...	...	1	...	...
Malaria	2	...	1	...	1	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Totals ...	508	12	65	223	64	77	49	18	23	161	41	69	34	48	64	18	50	328	251	62	1	4	1	5	...	3

TABLE VIA.
NOTIFIABLE DISEASES (other than Tuberculosis) DURING THE YEAR, 1937.
(Table in accordance with Ministry of Health instructions).

DISEASE	TOTAL CASES NOTIFIED												Cases Admitted to Hospital.	Total Deaths.
	under 1	1—	2—	3—	4—	5—	10—	15—	20—	35—	45—	65 & over	Total	
Smallpox	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	2	10	5	7	70	46	12	6	1	...	...	159	1
Diphtheria	1	1	3	3	10	48	17	9	7	1	1	...	101	7
Enteric Fever	...	...	...	...	...	1	...	2	...	...	...	...	3	...
Puerperal Fever	...	...	...	...	...	...	...	...	2	1	.	...	3	...
Puerperal Pyrexia	...	...	...	...	...	...	...	1	6	1	...	...	8	...
Pneumonia	4	6	6	4	...	8	1	4	9	8	11	9	70	55
Influenza Pneumonia	...	...	...	...	...	1	1	2	3	2	5	2	16	27
Other Diseases Generally Notifiable—														
Ophthalmia Neonatorum	6	...	...	...	...	...	...	...	...	...	...	...	6	1
Erysipelas	...	...	...	...	...	...	1	2	4	4	13	7	31	...
Cerebro Spinal Fever	1	1	...	...	...	1	...	...	...	...	...	...	3	2
Dysentery	...	...	...	...	...	...	1	...	...	1	...	...	2	...
Malaria	...	...	...	...	...	1	...	...	1	...	...	...	2	...
Totals	12	10	19	12	17	130	67	32	38	19	30	18	404	93

**LIST OF VOLUNTARY ORGANISATIONS
in the County Borough of Tynemouth.**

Tynemouth Victoria Jubilee Infirmary, Hawkey's Lane, North Shields.

North Shields and Tynemouth Dispensary, Church Street, North Shields.

Borough of Tynemouth County Nursing Association.

Borough of Tynemouth Ladies' Benevolent Dorcas and Nursing Society, 1, Upper Norfolk Street, North Shields.

Tynemouth Blind Welfare Society, Howard Street, North Shields.

Rescue and Preventive Association, 81, Queen Alexandra Road, North Shields.

Police Court Mission Officer, Prudential Buildings, Camden Street, North Shields.

Borough of Tynemouth Indigent Sick Society.

Borough of Tynemouth Invalids' Kitchen, East Stephenson Street, North Shields.

The Convalescent Society for Northumberland and Durham, Prudhoe Convalescent Home, Whitley Bay.

Borough of Tynemouth Holiday Agency---Leslie Home Seaton Sluice.

St. Oswald's Home for Girls, Cullercoats.

St. Aidan's Home for Boys, Tynemouth.

Invalid Children's Aid Association, County Borough of Tynemouth.

National Society for the Prevention of Cruelty to Children, 7, Belle Vue Terrace, North Shields.

Borough of Tynemouth Poor Children's Boot and Shoe Fund.

United Services Club, 10, Lovaine Place, North Shields.

Y.M.C.A., Bedford Street, North Shields.

Y.W.C.A., do. do,

Toc. H., North Shields Group, Fishermen's Institute, Fish Quay, North Shields.

Borough of Tynemouth Boys' Club, Hawkeys Lane, North Shields.

Juvenile Organisations Council, North Shields.
(For the co-ordination of Youth Movement).

British Legion, 44, Alma Place, North Shields.

St. John Ambulance Brigade, Preston Road, North Shields.

Royal Society for the Prevention of Cruelty to Animals, 14, Denham Street, Jesmond, Newcastle-upon-Tyne.

Tyne Mariners Benevolent Institution, 78, Howard Street, North Shields.

Royal National Mission to Deep Sea Fishermen, Union Quay, North Shields.

Mayoress' Committee, Town Hall, North Shields.

Shipwrecked Fishermen and Mariners' Royal Benevolent Society, 78, Howard Street, North Shields.

Tynemouth Volunteer Life Brigade, Brigade House, Tynemouth.

Tynemouth Infirmary Sports' Committee.

Tyneside Social Service Centres for Unemployed (Men & Women), Bishopgate House, Howard St. and Tyne St., No. Shields.

Tuberculosis Care Committee, Town Hall, North Shields.

North Shields Rotary Club.

North Shields Nursery School, Howdon Road, North Shields.

The Sir James Knott Nursery School, Percy Square, Tynemouth.

Meteorology.

SUMMARY OF RECORDS OF TEMPERATURE, RAINFALL, AND OF WEATHER OBSERVATIONS, YEAR 1937.

TYNEMOUTH.—(Extracted from the Summary of the Meteorological Office.)

Temperature.	Air Temp. in Degrees Fahrenheit.		Absolute Maximum & Minimum with dates. Day temp.			
	Means of Maximum A.	Mean of Minimum B.	14/7/37.	13/12/37.		
	52.0°F.	44.2°F.	75°F.	25°F.		
Rainfall.	Total Fall in Inches.		Most in a day, 3/7/37.			
	31.91		45 m.m. (1.7 inches.)			
Weather.	Number of Days.					
	Precipitation.	Snow.	Snow Lying.	Hail.	Thunder- storms.	Fog.
	193	34	9	9	8	22
					Ground Frost.	Gale.
					56	21
						Sunshine (Daily Mean) 3 09 hrs.

